



# भारत का राजपत्र The Gazette of India

साप्ताहिक/WEEKLY

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 41] नई दिल्ली, शनिवार, अक्टूबर 9—अक्टूबर 15, 2004 (आश्विन 17, 1926)

No. 41] NEW DELHI, SATURDAY, OCTOBER 9—OCTOBER 15, 2004 (ASVINA 17, 1926)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

[पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]

[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE PATENTS AND DESIGNS

Kolkata, the 9th October 2004

#### ADDRESSES AND JURISDICTION OF THE OFFICES OF THE PATENTS OFFICE

The Patent Office has its Head Office at Kolkata and Branch Offices at Mumbai, Delhi and Chennai having Territorial Jurisdiction on a Zonal basis as shown below:—

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Todi Estates, IIIrd Floor,  
Sun Mill Compound,  
Lower Parel (West),  
Mumbai-400 013.

The States of Gujarat,  
Maharashtra, Madhya Pradesh  
and Goa and the Union  
Territories of Daman and  
Diu & Dadra and Nagar Haveli.

Telegraphic Address "PATOFFICE"  
Phone Nos. (022) 2492 4058, 2496 1370, 2492 3684,  
2490 3852  
Fax Nos. (022) 2495 0622, 2490 3852  
E-mail: patmum@vsnl.net

2. Patent Office Branch,  
W-5, West Patel Nagar,  
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The States of Haryana,  
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Punjab, Rajasthan,  
Uttar Pradesh and Delhi and the  
Union Territory of Chandigarh.

Telegraphic Address "PATENTOFIC"  
Phone Nos. (011) 2587 1255, 2587 1256,  
2587 1257, 2587 1258.  
Fax No. (011) 2587 1256.  
E-mail: delhipatent@vsnl.net

3. Patent Office Branch,  
Guna Complex, 6th Floor, Annex-II,  
443, Annasalai, Teynampet,  
Chennai-600 018.

The States of Andhra Pradesh,  
Karnataka, Kerala, Tamil Nadu and  
Pondicherry and the Union  
Territories of Laccadive, Minicoy and  
Amindivi Islands.

Telegraphic Address "PATENTOFFIC"  
Phone Nos. (044) 2431 4324/4325/4326.  
Fax Nos. (044) 2431 4750/4751.  
E-mail. patentchennai@vsnl.net

4. Patent Office (Head Office),  
Nizam Palace, 2nd M.S.O. Building,  
5th, 6th & 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Kolkata-700 020.

Rest of India

Telegraphic Address "PATENTS"  
Phone Nos. (033) 2247 4401/4402/4403.

Fax Nos. (033) 2247 3851, 2240 1353.

E-mail. patentin@vsnl.com

patindia@giasei01.vsnl.net.in

Website: http://www.ipindia.nic.in

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 2002 or by The Patents Rules, 2003 will be received only at the appropriate offices of the Patent Office.

Fees : The fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office situated.

### पेटेंट कार्यालय

#### एकत्र तथा अधिकार

कोलकाता, दिनांक 9 अक्टूबर 2004

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:-

1. पेटेंट कार्यालय शाखा,  
टोडी इस्टेट, तीसरा तल,  
सन मिल कम्पाउंड,  
लोअर चेरल (वेस्ट),  
मुम्बई - 400 013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश  
तथा गोआ राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, दमन तथा दीव एवं  
दादर और नगर हवेली।

तार पता : "पेटेंटोफिस"

फोन : (022) 2492 4058, 2496 1370, 2490 3684, 2490 3852

फैक्स : (022) 2495 0622, 2490 3852

ई. मेल : patmum@vsnl.net

2. पेटेंट कार्यालय शाखा,  
डब्ल्यू-5, वेस्ट पटेल नगर,  
नई दिल्ली - 110 008।

हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश तथा दिल्ली राज्य  
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता : "पेटेंटोफिस"

फोन : (011) 2587 1255, 2587 1256, 2587 1257,  
2587 1258.

फैक्स : (011) 2587 1256.

ई. मेल : delhipatent@vsnl.net

3. पेटेंट कार्यालय शाखा,

गुणा कम्प्लेक्स, छठ तल, एनेक्स-II,

443, अन्नासलाई, तैनामपेट,

चेन्नई - 600 018।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु  
तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ  
शासित क्षेत्र लक्षद्वीप, मिनिक्काय तथा एमिनिदिबि द्वीप।

तार पता - "पेटेंटोफिस"

फोन : (044) 2431 4324/4325/4326.

फैक्स : (044) 2431 4750/4751.

ई. मेल : patentchennai@vsnl.net

4. पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय  
भवन, 5वां, 6वां व 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कोलकाता - 700 020।

भारत का अजरोह क्षेत्र।

तार पता - "पेटेंट्स"

फोन : (033) 2247 4401/4402/4403.

फैक्स : (033) 2247 3851, 2240 1353.

ई. मेल : patentin@vsnl.com

patindia@giasei01.vsnl.net.in

वेब साइट : http://www.ipindia.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2002  
अथवा पेटेंट नियम, 2003 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण  
या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित  
कार्यालय में ही प्रेषण किए जाएंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा  
जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से  
निर्धारक, पेटेंट की भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा  
सकती है।

**Application for the patent filed at The Patent Office, Kolkata.****03/09/2004**

New Application No	Applicant Details
534/KOL/2004	KONINKLIJKE PHILIPS ELECTRONICS N.V.; , 07/11/1996, 04/08/1997, 31/10/1997., Europe; "DATA PROCESSING APPARATUS AND METHOD FOR DATA PROCESSING A BITSTREAM SIGNAL."
535/KOL/2004	INTEL CORPORATION.; , 03/11/1997, 27/10/1998, United States of America; "AN APPARATUS FOR CAPTURING DIGITAL IMAGES."

**06/09/2004**

New Application No	Applicant Details
538/KOL/2004	DR. SATISH CHANDRA BERA.; West Bengal, India; "AN APPARATUS FOR MEASURING FLOW RATE OF A CONDUCTING LIQUID IN A PIPELINE."

**08/09/2004**

New Application No	Applicant Details
541/KOL/2004	NIHON ZAIKEI KABUSHIKI KAISHA.; , 26/06/2002, 20/06/2003, Japan; "A PROCESS FOR MANUFACTURING XYLOLIGOSACCHARIDES."
542/KOL/2004	NOVIBRA GMBH; , 16/10/2003, Germany; "A SPINDLE FOR SPINNING OR TWISTING MACHINES "
543/KOL/2004	MERCK PATENT GMBH; , 25/09/2003, Germany; "ENCAPSULATED PIGMENTS."
544/KOL/2004	THE TATA IRON AND STEEL COMPANY LIMITED.; Jharkhand, India; "A LOADMOMENT INDICATION SYSTEM FOR MOBILE HYDRAULIC LIFTING EQUIPMENT "
545/KOL/2004	TRUTZSCHLER GMBH & CO. KG.; , 10/10/2003, Germany; "APPARATUS IN SPINNING PREARATION FOR DETECTING FOREIGN OBJECTS OF PLASTICS MATERIAL IN FIBRE FLOCKS."

08/09/2004

547/KOL/2004	TRUTZSCHLER GMBH & CO. KG.; , 10/10/2003, Germany; "APPARATUS AT A DRAW FRAME FOR SUPPLYING FIBRE SLIVERS TO A DRAWING MECHANISM COMPRISING AT LEAST TWO PAIRS OF ROLLERS."
548/KOL/2004	TRUTZSCHLER GMBH & CO. KG.; , 20/10/2003, Germany; "APPARATUS AT A SPINNING ROOM MACHINE ,ESPECIALLY A SPINNING PREPARATION MACHINE ,FOR EXAMPLE A CARDING MACHINE OR DRAW FRAME, FOR VISUAL SIGNAL DISPLAY."
549/KOL/2004	TRUTZSCHLER GMBH & CO. KG.; , 17/10/2003, 05/08/2004, Germany; "ARRANGEMENT AT A DRAW FRAME COMPRISING A SUCTION DEVICE FOR REMOVING DUST, FIBRE DUST AND THE LIKE."
550/KOL/2004	JOHNSON & JOHNSON CONSUMER COMPANIES INC.; , 10/09/2003, United States of America; "METHODS FOR TREATING SKIN CONDITIONS."
551/KOL/2004	NOVIBRA GMBH; , 15/10/2003, Germany; "SPINDLE FOR SPINNING OR TWISTING MACHINES."

**Publication After 18 months.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 257/KOL-NP/2003 A

(22) Date of filing of : 03/03/2003  
application

(54) Title of the Invention : "UNSATURATED POLYESTER RESIN COMPOSITION"

(51) International classification : C08F  
283/01, C08L 67/06

(30) Priority Data :

(31) Document No. 2000-268500

(32) Date : 05/09/2000

(33) Name of convention country : JAPAN

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

(64) Filed on : NA

(71) Name of the Applicant : DAINIPPON  
INK AND CHEMICALS, INC., OF 35-58,  
SAKASHITA 3-CHOME, ITABASHI-KU,  
TOKYO, JAPAN.

(72) Name of the Inventors :

1. FUJITA YUKIKO,
2. TOMIYAMA TAKASHI,
3. SHIGERU MOTOMIYA.

(57) Abstract : Disclosed is an unsaturated polyester resin composition comprising an unsaturated polyester (A) and a polymerizable unsaturated monomer (B), wherein the "shrinkage stress upon cooling" of a cured article thereof is 17MPa or less and the ratio of the "shrinkage stress upon cooling/elastic limit" is 1 or less. The cured article has excellent gloss retention and yellowing resistance.

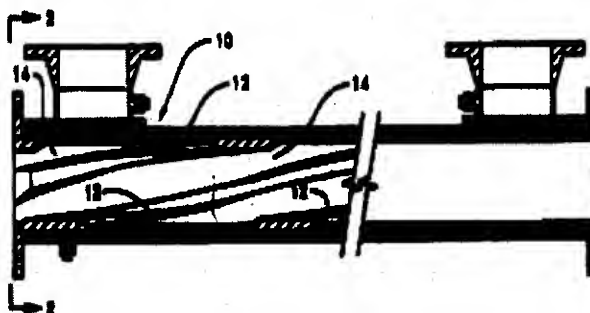
Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 258/KOL-NP/2003 A (22) Date of filing of : 03/03/2003 application  
(54) Title of the Invention : "PROCESS FOR PRODUCING AND COOLING TITANIUM DIOXIDE"

<p>(51) International classification : C01G 23/047 (30) Priority Data : (31) Document No. 09/664, 334 (32) Date : 18/09/2000 (33) Name of convention country :U.S.A. (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : KERR-MCGEE CHEMICAL LLC., OF 123 ROBERT S. KERR AVENUE, OKALHOMA CITY, OKALHOMA 73102, U.S.A. (72) Name of the Inventors : 1. YUILL WILLIAM A., 2. NATALIE CHARLES A , 3. FLYLNN HARRY E., 4. FILLIPI BITA.</p>
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(57) Abstract : An improved process for producing titanium dioxide wherein gaseous titanium tetrachloride and oxygen are reacted at a high temperature to produce particulate solid titanium dioxide and gaseous reaction products is provided. The titanium dioxide and gaseous reaction products are cooled by passing them through a tubular heat exchanger along with a scouring medium for removing deposits from the inside surfaces of the tubular heat exchange. By this invention, the particulate scouring medium, the particulate titanium dioxide and the gaseous reaction products are caused to follow a spiral path as they flow through the tubular heat exchanger whereby the scouring medium more thoroughly removes the deposits and the titanium dioxide and gaseous reaction products are cooled more efficiently.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 261/KOL-NP/2003 A

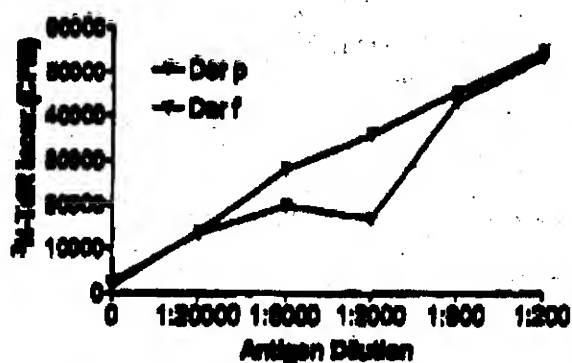
(22) Date of filing of : 03/03/2003  
application

(54) Title of the Invention : "A METHOD FOR TREATING ALLERGIES"

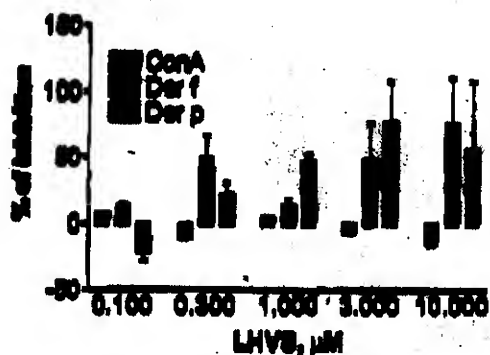
<p>(51) International classification : C07K 4/0, 5/06, A61K 38/00</p> <p>(30) Priority Data :</p> <p>(31) Document No. 60/236, 407</p> <p>(32) Date : 06/09/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s 5(2) : NIL</p> <p>(61) Patent of addition to application No. NA</p> <p>(62) Filed on : NA</p> <p>(63) Divisional to Application No. : NIL</p> <p>(64) Filed on : NA</p>	<p>(71) Name of the Applicant : ORTHO MCNEIL PHARMACEUTICAL, INC., OF 920 U. S. ROUTE 202, P.O. BOX 300 RARITAN, NJ 08869-0602, U.S.A.</p> <p>(72) Name of the Inventors : 1. GU YIN, 2. KARLSSON LARS, 3. SUN SIQUAN, 4. THURMOND ROBIN.</p>
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(57) Abstract : Use of cathepsin S inhibitors for the treatment of an allergic condition, in particular an atopic allergic condition, more specifically for the treatment of hay fever, asthma, atopic dermatitis or a food allergy.

A.



B.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

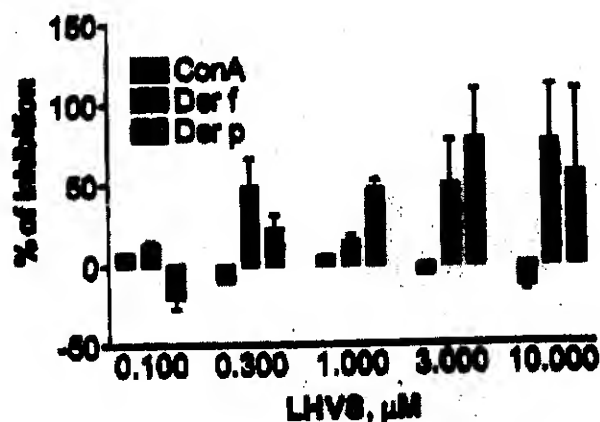
- (21) Application No. 262/KOL-NP/2003 A (22) Date of filing of : 03/03/2003  
application  
(54) Title of the Invention : "METHOD FOR TREATING ALLERGIES USING  
SUBSTITUTED PYRAZOLES"

(51) International classification : A61K  
31/437, 31/4162, A61P 37/08  
(30) Priority Data :  
(31) Document No. 60/230,407 & 09/928,122  
(32) Date : 06/09/2000 & 10/08/2001  
(33) Name of convention country : U.S.A.  
(66) Filed U/s 5(2) :NIL  
(61) Patent of addition to application No. NA  
(62) Filed on :NA  
(63) Divisional to Application No. :NIL  
(64) Filed on :NA

(71) Name of the Applicant : ORTHO  
MCNEIL PHARMACEUTICAL, INC., OF  
920 U. S. ROUTE 202, P.O. BOX 300  
RARITAN, NJ 08869-0602, U.S.A.

(72) Name of the Inventors :  
1. BREITENBUCHER J. GUY,  
2. CAI HUI,  
3. EADWARDS JAMES P.,  
4. GRICE CHERYL A.,  
5. GU YIN,  
6. GUSTIN DARIN J.,  
7. KARLSSON LARS,  
8. KHATUYA HARIPADA,  
9. MEDUNA STEVEN P.,  
10. PIO BARBARA A.,  
11. SUN SIQUAN,  
12. TAYS KEAVIN L.,  
13. THURMOND ROBIN L.,  
14. WEI JIANMEI.

(57) Abstract : A method for treating an allergic condition, including an atopic allergic condition, using substituted pyrazoles of formula (I).



**Publication After 18 months. 14.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 263/KOL-NP/2003 A

(22) Date of filing of : 03/03/2003  
application

(54) Title of the Invention : "A METHOD FOR TREATING ALLERGIES USING SUBSTITUTED PYRAZOLES"

(51) International classification : A61K 31/437,

(30) Priority Data :

(31) Document No. 68/236,487 & 69/927,324

(32) Date : 06/09/2000 & 10/08/2001

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

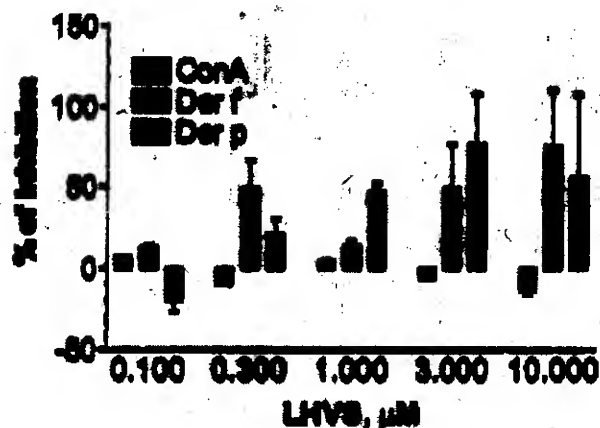
(64) Filed on :NA

(71) Name of the Applicant : ORTHO MCNEIL PHARMACEUTICAL, INC., OF 920 U. S. ROUTE 202, P.O. BOX 300 RARITAN, NJ 08869-0602, U.S.A.

(72) Name of the Inventors :

1. BUTLER CHRISTOPHER R.,
2. CAI HUI,
3. EADWARDS JAMES P.,
4. GRICE CHERYL A.,
5. GU YIN,
6. GUSTIN DARIN J.,
7. KARLSSON LARS,
8. KHATUYA HARIPADA,
9. MEDUNA STEVEN P.,
10. PIO BARBARA A.,
11. SEHON CLARK A.,
12. TAYS KEAVIN L.,
13. THURMOND ROBIN L.,
14. WEI JIANMEI.

(57) Abstract : A method for treating an allergic condition, including an atopic allergic condition, using substituted pyrazoles of formula (I).



Publication After 18 months. 18.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 264/KOL-NP/2003 A (22) Date of filing of : 03/03/2003 application
- (54) Title of the Invention : "A METHOD FOR TREATING ALLERGIES USING SUBSTITUTED PYRAZOLES"

(51) International classification : A61K 31/437,

(30) Priority Data :

(31) Document No. 60/230,407 & 09/927,188

(32) Date : 06/09/2000 & 10/08/2001

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

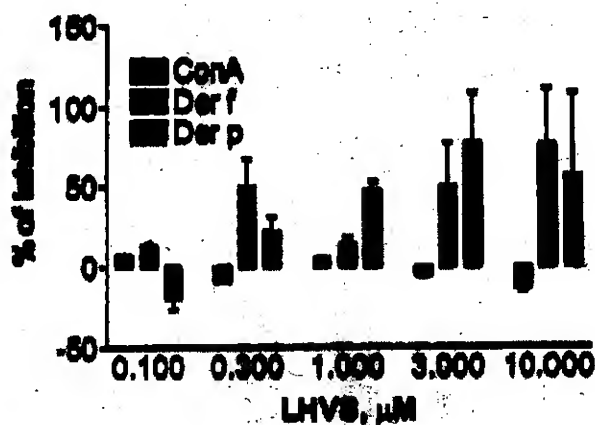
(64) Filed on :NA

(71) Name of the Applicant : ORTHO MCNEIL PHARMACEUTICAL, INC., OF 920 U. S. ROUTE 202, P.O. BOX 300 RARITAN, NJ 08869-0602, U.S.A.

(72) Name of the Inventors :

1. CAI HUI,
2. EDWARDS JAMES P.,
3. GU YIN,
4. KARLSSON LARS,
5. MEDUNA STEVEN P.,
6. PIO BARBARA A.,
7. SUN SIQUAN
8. THURMOND ROBIN L.,
9. WEI JIANMEI.

(57) Abstract : A method for the treatment of an allergic condition, including an atopic allergic condition, using substituted pyrazoles of formula (I).



**Publication After 18 months. 18.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 265/KOL-NP/2003 A

(22) Date of filing of : 03/03/2003  
application

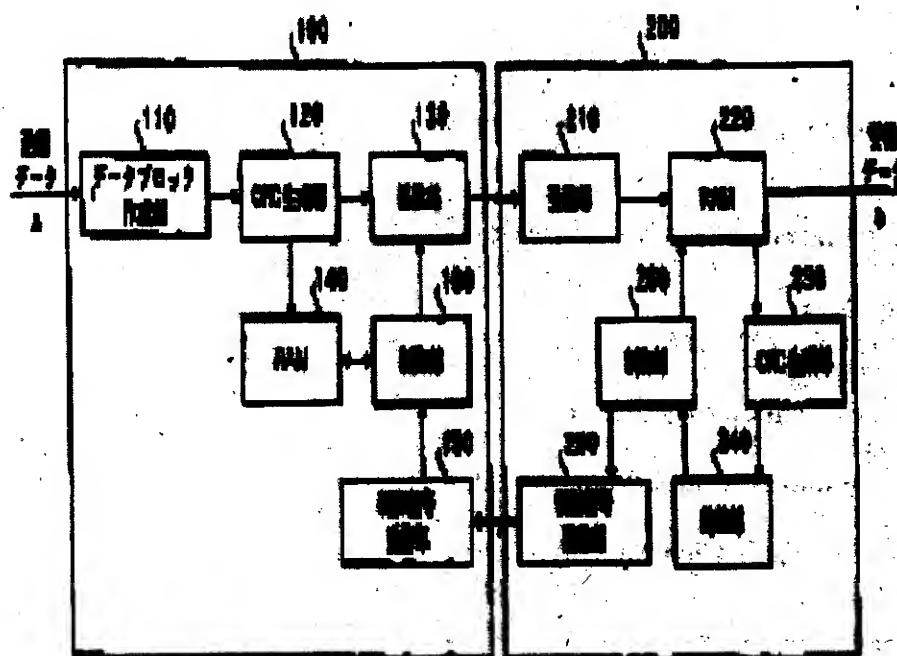
(54) Title of the Invention : "TRANSMITTING APPARATUS AND RECEIVING APPARATUS"

<p>(51) International classification : H04L 1/16, 1/00 (30) Priority Data : (31) Document No, 2001-214571 (32) Date : 13/07/2001 (33) Name of convention country : JP (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD., OF 1096, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501 JAPAN.  (72) Name of the Inventors : 1. FUTAGI SADAHI, 2. HIRAMATSU KATSUHIKO</p>
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(57) Abstract :

A transmission apparatus and a reception apparatus for minimizing the buffer size without increasing data amount temporarily stored in the reception apparatus & period; A data block creation block &ipar;110&rpar; makes a block out of transmission data on transmission unit basis & comma; thereby creating a data block & period; A CRC creation block &ipar;120&rpar; creates a CRC code as an error detection code for each of the data blocks & period; A transmission block &ipar;130&rpar; multiplexes the CRC code on the data block so as to be transmitted & period; An RAM &ipar;140&rpar; temporarily stores the data block and the CRC code & period; A control signal reception block &ipar;150&rpar; receives a control signal indicating the data block transmitted from a reception apparatus &ipar;200&rpar; and required next & period; When the control signal received by the control signal reception block &ipar;150&rpar; requires next data & comma; a control block &ipar;160&rpar; instructs the transmission block &ipar;130&rpar; to transmit the next data block & period; When the control signal requires retransmission & comma; the transmission block &ipar;130&rpar; is instructed to retransmit the data block and the CRC code stored in the RAM &ipar;140&rpar; & period;

265/KOL-NP/2003 A



1...TRANSMISSION UNIT  
 110...DATA INPUT CHANNEL UNIT  
 120...CPU CHANNEL UNIT  
 130...INPUT CHANNEL UNIT  
 140...OUTPUT CHANNEL  
 150...CHANNEL STATE-RETENTION UNIT

210...RECEPTION UNIT  
 220...OUTPUT UNIT  
 230...CPU CHANNEL UNIT  
 240...OUTPUT CHANNEL-RETENTION UNIT  
 250...RECEPTION UNIT  
 260...RECEPTION UNIT

Publication After 18 months. 28.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 266/KOL-NP/2003 A

(22) Date of filing of : 03/03/2003  
application

(54) Title of the Invention : "STREAM DECODING APPARATUS"

(51) International classification : H04L 3/00,  
H04N 7/24

(30) Priority Data :

(31) Document No. 2000-274590 & 2001-36630

(32) Date : 11/09/2000 & 14/02/2001

(33) Name of convention country : JP

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

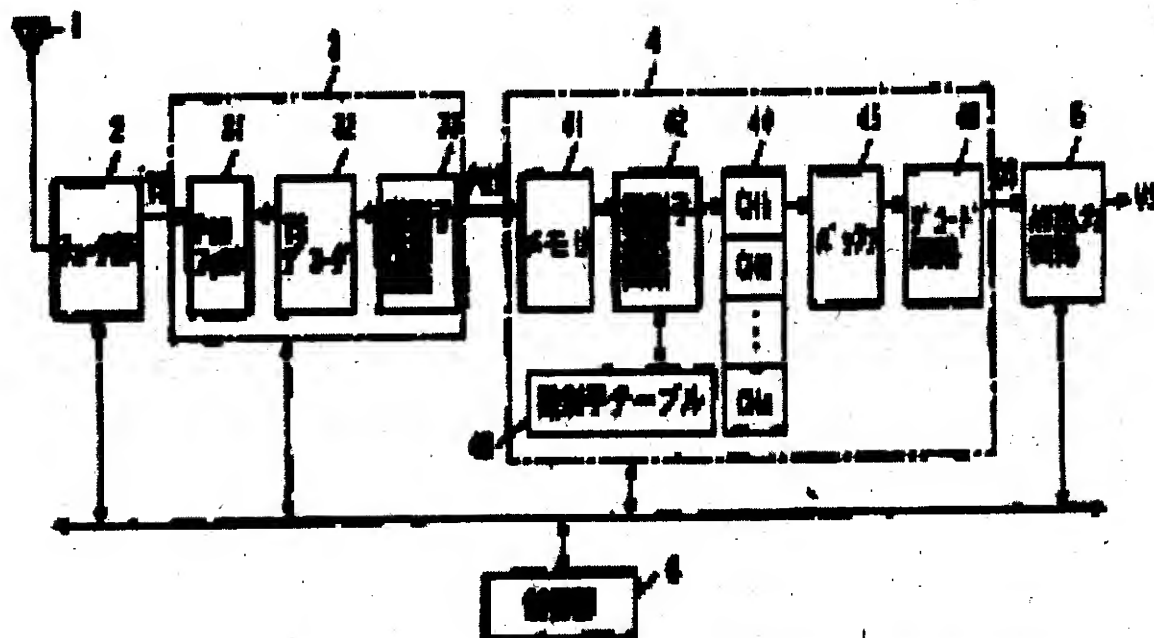
(64) Filed on :NA

(71) Name of the Applicant : MATSUSHITA  
ELECTRIC INDUSTRIAL CO. LTD., OF  
1006, OAZA KADOMA, KADOMA-SHI,  
OSAKA 571-8501 JAPAN.

(72) Name of the Inventors :

1. OKAMOTO SATOSHI,
2. TSUJI TOSHIKI,
3. MORISHITA HIROYUKI,
4. HIRAI MAKOTO,
5. KIYOHARA TOKUZOU.

(57) Abstract :



2...FILTER

31...SCD FILTER

32...SCD DECODER

33...conversion attaching circuit

41...MEMORY

42...conversion selecting circuit

43...conversion table

44...DECODER

45...decision circuit

46...SCD output circuit

47...control section

266/KOL-NP/2003 A

An identifier adding circuit adds an identifier specifying the channel of each PES packet output from a TS decoder to a header of each PES packet; an identifier selecting circuit reads PID information corresponding to the identifier added to each PES packet from an identifier table, and then stores PES packets for respective channels into respective storage regions CH1 to CHn in a bank memory instructed for the read PID information by a controller; and a decoding circuit decodes the stored PES packets for the respective channels.

Publication After 18 months. 11.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 267/KOL-NP/2003 A

(22) Date of filing of : 03/03/2003  
application

(54) Title of the Invention : "TEST STRIPS FOR DETECTING THE PRESENCE OF A REDUCED COFACTOR IN A SAMPLE AND METHODS FOR USING THE SAME"

(51) International classification : C12Q 1/26, G01N 33/52

(30) Priority Data :

(31) Document No. 09/659, 938

(32) Date : 12/09/2000

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

(64) Filed on : NA

(71) Name of the Applicant : LIFESCAN INC., 1000 GIBRALTAR DRIVE, MILPITAL, CA 95035-6312, U.S.A.

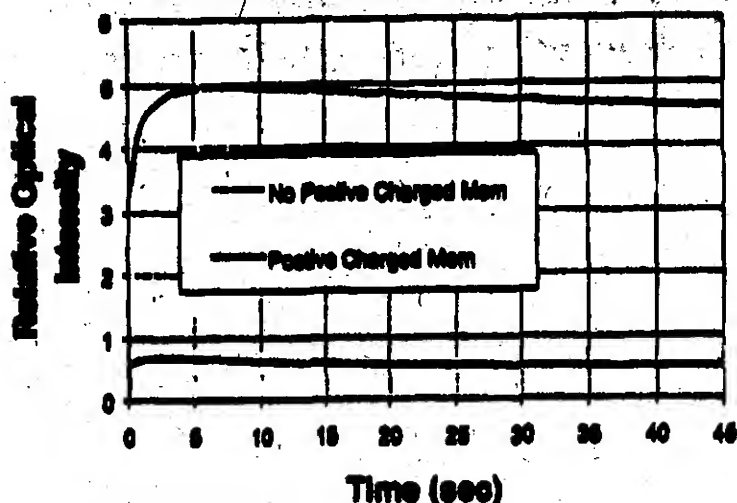
(72) Name of the Inventors :

1. OUYANG TIANMEI,

2. YU YEUNG SIU.

(57) Abstract :

400mg/dl Glucose Test on DFF Membrane, Using Water Soluble Tetrazolium As Indicator



267KOL-NP/2003 A

Test strips and methods for their use in the detection of an analyte in a sample are provided. The subject test strips are characterized by at least including a water soluble tetrazolium salt on a surface of a positively charged substrate. In many embodiments, the water soluble tetrazolium salt is present as part of an analyte oxidizing signal producing system, which system includes one or more of the following additional components: an analyte oxidizing enzyme, e.g., an analyte dehydrogenase or an analyte oxidase; an electron transfer agent; and an enzyme cofactor. Also provided are systems and kits incorporating the subject test strips. The subject test strips, systems and kits find use in the measurement of a wide variety of analytes in a sample, such as a physiological sample, e.g., blood or a fraction thereof.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 268/KOL-NP/2003 A

(22) Date of filing of : 03/03/2003  
application

(54) Title of the Invention : "METHOD AND APPARATUS FOR EVALUATING FOR THE PURPOSE OF DECODING A BITSTREAM HAVING A DATA STRUCTURE FULFILLING THE REQUIREMENTS OF TWO DIFFERENT DATA STRUCTURE STANDARDS, AND STORAGE MEDIUM CONTAINING SUCH BITSTREAM"

(51) International classification : G11B  
27/10, H04N 5/85, 5/781

(30) Priority Data :

(31) Document No. 00250321.7

(32) Date : 27/09/2000

(33) Name of convention country : EP

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

(71) Name of the Applicant : THOMSON  
LICENSING S.A., 46 QUAI A. LE GALLO,  
F 92100 BOULOGNE-BILLANCOURT,  
FRANCE.

(72) Name of the Inventors :  
WINTER MARCO

(57) Abstract :

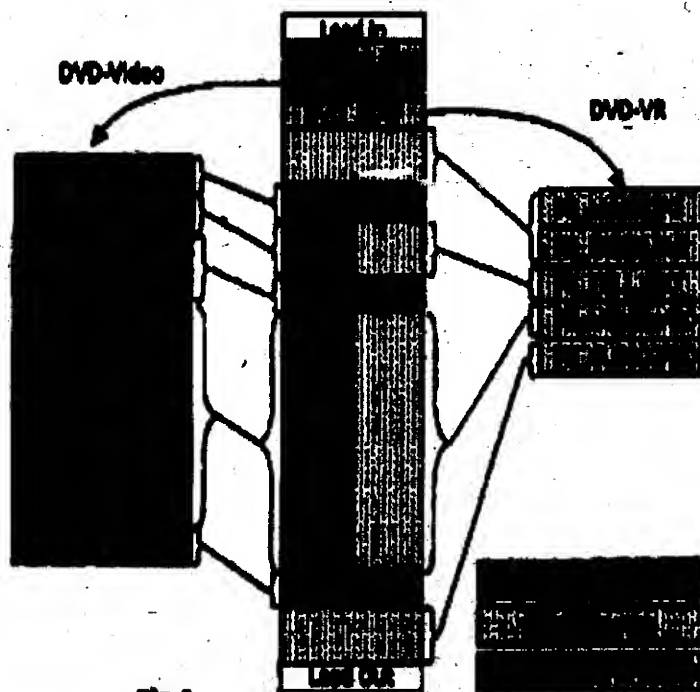


Fig. 1

268/KOL-NP/2003 A

There are different types of DVD systems, e.g. the replay only DVD-Video system and the re-recordable DVD-VR system. A DVD-VR type disc containing a DVD-VR type bit stream is to be replayed on a DVD-VR type recorder or player. However, it is also possible to record a DVD-Video type bit stream on a DVD-VR type disc in a DVD-VR type recorder, for replay of that disc in a DVD-Video type player. Because the DVD-VR and DVD-Video formats are different and contain different content they are not compatible with each other and a disc containing a bit stream of the one type can not be replayed on a player of the other type, a user must make a choice of which type of bit stream recording on a disc. One solution to this problem would be to record a separate disc for each type of bit stream.

According to the invention a special type of bit stream is assembled and recorded on a disc that can be replayed on both types of players. This special type of bit stream is compatible with the DVD-Video system as well as the DVD-VR system. For both systems, corresponding additional files are added to their specific directories, but the resulting bit stream for both system types represents the same identical file on the disc. A disc containing a bit stream having such data structure can be replayed on both, DVD-VR and DVD-Video players.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 271/KOL-NP/2003 A

(22) Date of filing of : 04/03/2003  
application

(54) Title of the Invention : "METHOD FOR PRODUCING BRUSHWARE"

(51) International classification : A46D 1/08 (30) Priority Data : (31) Document No. 100 46 536.6 (32) Date : 19/09/2000 (33) Name of convention country : DE (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA	(71) Name of the Applicant : CORONET- WERKE GMBH., OF NEUSTADT 2, 69483 WALD-MICHELBACH, GERMANY.  (72) Name of the Inventors : WEIHRAUACH, GEORG
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(57) Abstract : In a method for producing brushware, individual bristles of plastic material or bristles combined into groups in a predetermined arrangement are mounted onto a support, thereby forming the desired bristle stock, and at least one part of the bristles in the predetermined arrangement or on the mounted bristle stock is provided with a preferably regular structure in a contact-free fashion using laser radiation. The invention also proposed contact-free cutting of the free ends of the bristles through laser radiation thereby producing, in a reproducible fashion, structures on the outside and on top of the bristle stock to support the cleaning action.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 272/KOL-NP/2003 A

(22) Date of filing of : 04/03/2003  
application

(54) Title of the Invention : "STABLE EMULSIONS USEFUL FOR SKIN CARE WIPES"

(51) International classification : A61K 7/50	(71) Name of the Applicant : JOHNSON & JOHNSON CONSUMER COMPANIES, INC., 199 GRANDVIEW ROAD, SKILLMAN, NJ 08558, UNITED STATES OF AMERICA.
(30) Priority Data :	
(31) Document No. 60/231,426	
(32) Date : 08/09/2000	
(33) Name of convention country : U.S.A.	
(66) Filed U/s 5(2) :NIL	
(61) Patent of addition to application No. NA	(72) Name of the Inventors :
(62) Filed on :NA	DUNN, IAN
(63) Divisional to Application No. :NIL	
(64) Filed on :NA	

(57) Abstract :

The invention relates to a wet wipe product comprising a substrate and an emulsion. The emulsion comprising: an acrylate/C10-C30 alkyl acrylate cross polymer emulsifier; salicylic acid; a non-ionic surfactant; and a lipophilic component. The non-ionic surfactant is selected from the group consisting of (i) a polymeric ether, (ii) a mixture of laurate esters of sorbitol and sorbitol anhydrides condensed with ethylene oxide; and (iii) mixtures thereof. The invention also relates to a method for depositing salicylic acid to mammalian skin comprising topically applying the wipe product described above to the skin to be treated. The emulsion according to the invention produces an aesthetically pleasing product, capable of removing non-water proof make-up and able to deliver salicylic acid to the skin and is mild on the skin.

**Publication After 18 months.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 273/KOL-NP/2003 A

(22) Date of filing of : 04/02/2003  
application

(54) Title of the Invention : "PROCESS FOR THE PRODUCTION OF CHIRAL COMPOUNDS"

(51) International classification : C07C 323/60, A61K 31/10, A61P 25/04	(71) Name of the Applicant : GRUNENTHAL GMBH, ZIEGLERSTRASSE 6, 52076 AACHEN, GERMANY.
(30) Priority Data :	
(31) Document No. 100 45 832.7	
(32) Date : 14/09/2000	
(33) Name of convention country : DE	(72) Name of the Inventors :
(66) Filed U/s 5(2) : NIL	1. GERLACH MATTHIAS,
(61) Patent of addition to application No. NA	2. PUTZ CLAUDIA,
(62) Filed on : NA	3. ENDERS D.,
(63) Divisional to Application No. : NIL	4. GAUBE GERO.
(64) Filed on : NA	

(57) Abstract : The present invention relates to processes for the production of chiral compounds under 1, 4-michael addition conditions.

**Publication After 18 months.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 274/KOL-NP/2003 A

(22) Date of filing of : 04/03/2003  
application

(54) Title of the Invention : "PROCESS AND APPARATUS FOR CONTINUOUS SINGLE-STAGE PRODUCTION OF A HOMOGENEOUS SOLUTION OF CELLULOSE IN WATER-CONTAINING TERTIARY AMINE OXIDES"

(51) International classification : D01F 2/00,  
D01D 1/02, C08B 1/00, C08L 1/02

(30) Priority Data :

(31) Document No.

(32) Date :

(33) Name of convention country :

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

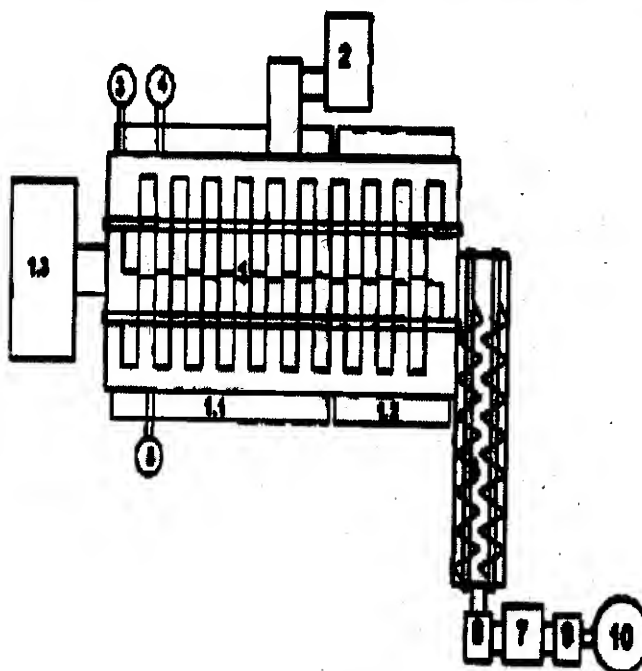
(71) Name of the Applicant :

THURINGISCHES INSTITUT FOR  
TEXTIL-UND KUNSTSTOFFFORSCHUNG  
E. V., OF BREITSCHNEIDSTRASSE 97, D-  
074407 RUDOLSTADT, GERMANY AND  
LIST AG., OF BERSTELSTR. 24, CH-4012  
ARISDORF, SWITZERLAND.

(72) Name of the Inventors :

1. CHRISTOPH, MICHELS,  
2. ANDREAS, DIENER

(57) Abstract : The invention relates to a method and to a device for the continuous, single step production of a homogenous solution of cellulose in hydrous aminoxides on the basis of cellulose and aqueous aminoxides, preferably N-methylmorpholino-N-oxide (NMMO), at temperatures in the range of from 50 to 130°C under a vacuum and water evaporation. The cellulose and the NMMO are dosed separately to the device, mixed while sheared, the water is evaporated until the mixture is dissolved, the solution is homogenized and directly fed to the consumer via screw conveyors, pumps and filters.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 275/KOL-NP/2003 A

(22) Date of filing of : 04/03/2003  
application

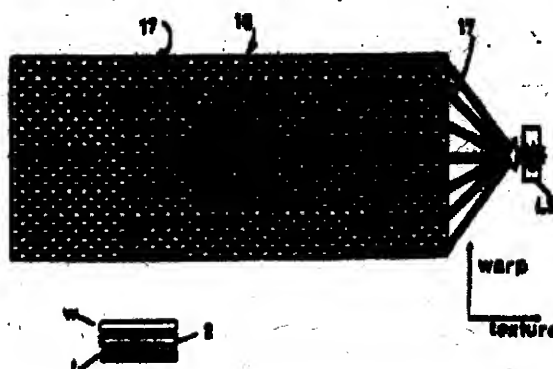
(54) Title of the Invention : "TEXTILE PRODUCT WITH ILLUMINTED FIBRES, ARTICLE MADE THEREFROM AND PRODUCTION METHOD OF THE SAME"

(51) International classification : F21V 8/00  
(30) Priority Data :  
(31) Document No. FI2000A000177  
(32) Date : 07/08/2000  
(33) Name of convention country : ITALY  
(66) Filed U/s 5(2) : NIL  
(61) Patent of addition to application No. NA  
(62) Filed on : NA  
(63) Divisional to Application No. : NIL  
(64) Filed on : NA

(71) Name of the Applicant : LUMINEX  
S.P.A., OF VIA DEI FOSSI 14/B- 59100  
PRATO, ITALY.

(72) Name of the Inventors :  
GIVOLETI MARCELLO

(57) Abstract : Textile product comprising light guiding fibres (2) consisting of a central core capable of transmitting the light end of an external sheath, in which at least a length portion of said external sheath presents, in respect to the internal core, a refraction index allowing the transmitted light to partially escape from the fibre; cloth article made from the textile product; and a manufacturing method of the textile product.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 276/KOL-NP/2003 A

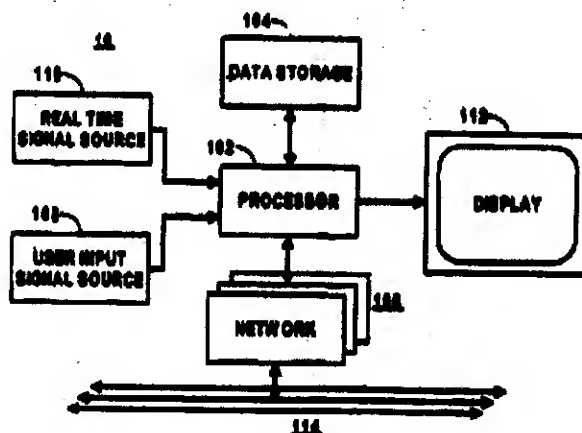
(22) Date of filing of : 05/03/2003  
application

(54) Title of the Invention : "A METHOD AND APPARATUS FOR CONCURRENTLY DISPLAYING RESPECTIVE IMAGES REPRESENTING REAL-TIME DATA AND NON-REAL-TIME DATA"

<p>(51) International classification : G09G  (30) Priority Data :  (31) Document No. 60/248,101  (32) Date : 13/11/2000  (33) Name of convention country : U.S.A.  (66) Filed U/s 5(2) :NIL  (61) Patent of addition to application No. NA  (62) Filed on :NA  (63) Divisional to Application No. :NIL  (64) Filed on :NA</p>	<p>(71) Name of the Applicant : SIEMENS MEDICAL SOLUTIONS USA, INC., OF 186 WOOD AVENUE SOUTH, ISELIN, NJ 08830-2770 U.S.A.  (72) Name of the Inventors :  1. CAVALLARO, SAMUEL,  2. ORTLAM, DIETER, T.,</p>
---	--

(57) Abstract :

A method and apparatus for concurrently displaying respective images representing real-time data and non-real-time data operates by receiving non-real-time data and receiving real-time data. A windowing operating system is executed for controlling the operation of an application program which is responsive to the non-real-time data, for conditioning a display device to display respective images representing the non-real-time data. A real-time display process is executed concurrently with, but independently from, the windowing operating system, for conditioning the display device to display respective images representing the real-time data concurrently with the display of the non-real-time data



Publication After 18 months. 15.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 281/KOL-NP/2003 A

(22) Date of filing of : 06/03/2003  
application

(54) Title of the Invention : "APPARATUS AND METHODS FOR AFFINITY CAPTURE TANDEM MASS SPECTROMETRY"

(51) International classification : H04M 3/30,  
H04L 12/28

(30) Priority Data :

(31) Document No. PCT/US99/28163

(32) Date : 11/18/2000

(33) Name of convention country : PCT

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

(64) Filed on : NA

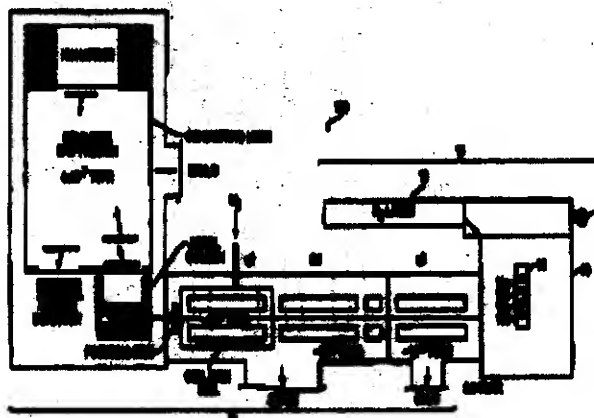
(71) Name of the Applicant : CIPHERGEN  
BIOSYSTEMS, INC., OF 6611  
DUMBARTON CIRCLE, FREMONT, CA  
94555, U.S.A.

(72) Name of the Inventors :

1. WEINBERGER SCOT,
2. ENS WERNER,
3. LABODA ALEAXANDER,
4. SPICER VICTOR,
5. BRYAN RAYMOND G.,
6. STANDING KEN,
7. TORNATORE PETE,
8. MCNABB JAMES R.

(57) Abstract :

The invention provides an analytical instrument comprising an affinity capture probe interface, a laser desorption ionization source, and a tandem mass spectrometer. Also presented are new methods for protein discovery and identification and for characterization of molecular interactions that utilize the instrument of the present invention.



**Publication After 18 months. 8.**

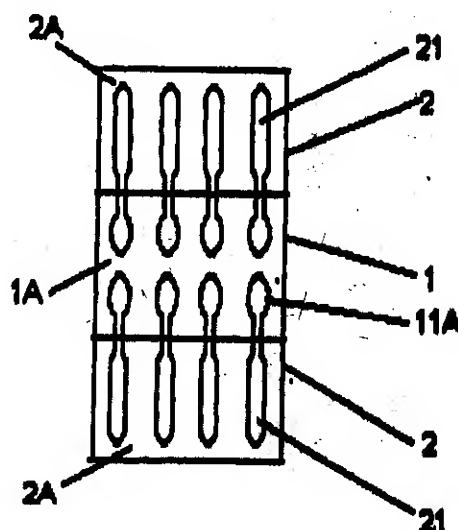
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 282/KOL-NP/2003 A (22) Date of filing of : 06/05/2003  
application  
(54) Title of the Invention : "PROCESS FOR MAKING A TOOTHBRUSH"

<p>(51) International classification : A46D 3/00 (30) Priority Data : (31) Document No. 0020021.2 (32) Date : 16/08/2000 (33) Name of convention country : GREAT BRITAIN (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : <b>GLAXOSMITHKLINE CONSUMER HEALTHCARE GMBH &amp; CO. KG., OF BUSSMATTEN 1, D-77815 BUEHL (BADEN) GERMANY.</b>  (72) Name of the Inventors : MUELLER WOLF-DIETER</p>
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**(57) Abstract :**

An Injection moulding process for making a toothbrush involving a stack mould assembly of at least three mould blocks (1, 2, 3, 4) arranged for use along a longitudinal stack axis (A -- A), with two end mould blocks (3, 4), and an intermediate mould block (1, 2), with part mould cavities (11A, 21, 31, 41, 51) in the blocks. Plastic toothbrush skeletons are made in a cavity (11A, 21, 31) between the intermediate block (1, 2) and one end block (3), then elastomer parts are made in a cavity (41, 51) between the intermediate block (1, 2) and the other end block (4). Preferably the intermediate block (1) rotates so its part cavity (11A) faces the other end block (4). Stack mould assemblies (1, 2, 3, 4) for this process are provided. The assembly (1, 2, 3, 4) provides a compact mould with high output.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 283/KOL-NP/2003 A

(22) Date of filing of : 06/03/2003  
application

(54) Title of the Invention : "TRANSPORT LOCKING FOR A VIBRATING FEEDER OF A MOBILE CRUSHING UNIT"

(51) International classification : B0LC 21/02

(30) Priority Data :

(31) Document No. 2001 1740

(32) Date : 31/08/2001

(33) Name of convention country : FINLAND

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

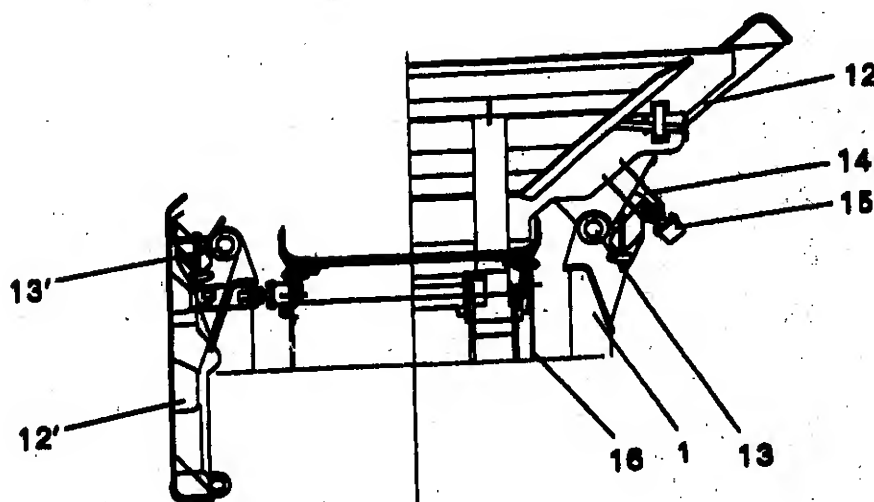
(64) Filed on :NA

(71) Name of the Applicant : MESTO  
MINERALS (TAMPERE) OY, OF  
LOKOMONKATU 3, FIN-33100  
TAMPERE, FINLAND.

(72) Name of the Inventors :

1. NUORA MARKO JUHANI,
2. HYTTINEN EDKO ARMAS,
3. KOSKENKORVA SEPPO JUHANI,
4. KANKAANPAA REIJO KALEVI,
5. AALTONEN JOONAS OSKARI,
6. KOIVUMAKI JOUNI MIKAEL,
7. HULTTINEN JOUNI JOUKO ELIAS.

(57) Abstract : A transport locking arrangement is disclosed for a vibrating feeder of a mobile crushing unit, the transport locking arrangement utilizing the downward rotatable sidewalls of the feeder hopper of the vibrating feeder that are hingedly mounted on the framework of said crushing unit, whereby the sidewalls in their lower position are adapted to lock the vibrating feeder substantially rigidly to the framework of the crushing unit. The invention offers a rapid and easy technique of transport locking for a vibrating feeder.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.288/KOL-NP/2003 A

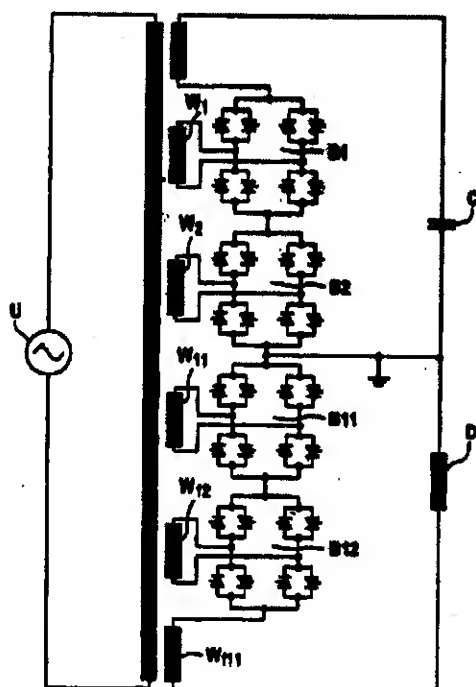
(22) Date of filing of : 07/03/2003  
application

(54) Title of the Invention : "CIRCUIT ARRANGEMENT FOR THE STATIC GENERATION OF A VARIABLE ELECTRIC OUTPUT"

<p>(51) International classification : H02J 3/18 (30) Priority Data : (31) Document No. 100 428 70.3 &amp; 101 073 97.6 (32) Date : 18/08/2000 &amp; 06/02/2001 (33) Name of convention country :GERMANY (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : VITHAYATHIL JOHN, OF 6685 W. BURNSIDE ROAD UNIT NO. 355, PORTLAND, OR 97210, U.S.A.  (72) Name of the Inventors : 1. VITHAYATHIL JOHN, 2. SADEK KADRY.</p>
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(57) Abstract :

The novel circuit arrangement is used for the static generation of a variable electric output, as is common in static reactive-power compensation systems. According to the invention, a voltage is applied to a consumer, i.e. to a capacitor and/or an inductor, and a transformer (T) has at least two power-control windings (W1, W2) in a secondary circuit, said windings being connected electrically in series via bridge circuits (B1, B2). In their branches, the bridge circuits contain static switches (BSS1....4) in an inverse-parallel connection said switches can be selectively connected or disconnected.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 290/KOL-NP/2003 A

(22) Date of filing of : 10/03/2003  
application

(54) Title of the Invention : "CIRCUIT ARRANGEMENT AND METHOD FOR DETECTING AN UNWANTED ATTACK ON AN INTEGRATED CIRCUIT"

(51) International classification : G06F 1/00

(30) Priority Data :

(31) Document No. 100 44 837.2

(32) Date : 11/09/2000

(33) Name of convention country : DE

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

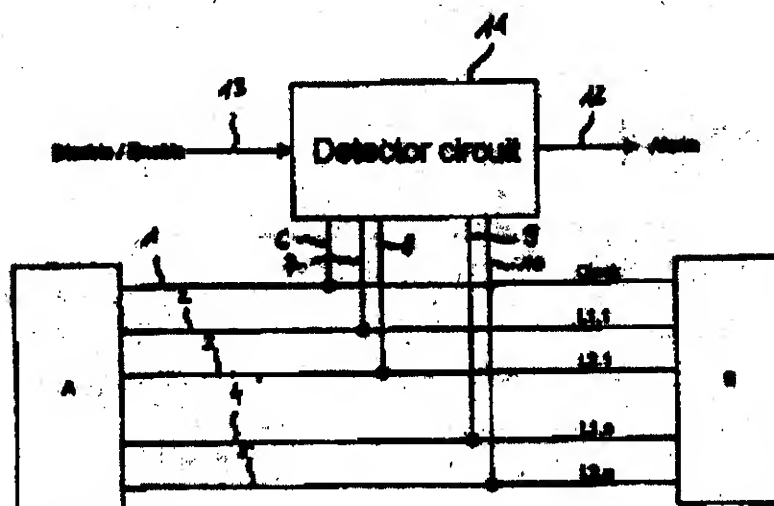
(63) Divisional to Application No. : NIL

(64) Filed on : NA

(71) Name of the Applicant : INFINEON TECHNOLOGIES AG., OF ST. MARTIN STRASSE 53, 81669 MUNCHEN, GERMANY.

(72) Name of the Inventors :  
GAMMEL BERNDT

(57) Abstract : The invention proposes a circuit arrangement for detecting an unwanted attack on an integrated circuit, the circuit arrangement having a signal line to which a clock signal is applied and at least one line pair which is respectively used to code a bit, where the signal line and the at least one line pair are connected between a first and a second circuit block in the integrated circuit. The signal line and the at least one line pair are connected to a detector circuit which changes the operating sequence in the integrated circuit on the basis of the signals on the signal line and on the at least one line pair. The detector circuit can be used to the same extent to test for production faults.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 291/KOL-NP/2003 A

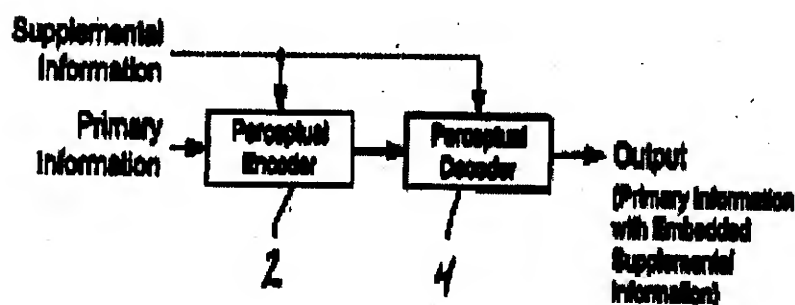
(22) Date of filing of : 10/03/2003  
application

(54) Title of the Invention : "MODULATING ONE OR MORE PARAMETERS OF AN AUDIO OR VIDEO PERCEPTUAL CODING SYSTEM IN RESPONSE TO SUPPLEMENTAL INFORMATION"

<p>(51) International classification : H04N 7/26, G10L 19/00  (30) Priority Data :  (31) Document No. 60/226,044 &amp; 60/226,151  (32) Date : 16/08/2000  (33) Name of convention country : U.S.A.  (66) Filed U/s 5(2) :NIL  (61) Patent of addition to application No. NA  (62) Filed on :NA  (63) Divisional to Application No. :NIL  (64) Filed on :NA</p>	<p>(71) Name of the Applicant : DOLBY LABORATORIES LICENSING CORPORATION, OF 100 POTRERO AVENUE, SAN FRANCISCO, CA 94103, U.S.A.  (72) Name of the Inventors :  1. WATSON MATTHEW AUBREY,  2. TRUNMAN MICHAEL MEAD,  3. VERNON STEPHEN DECKER,  4. CROCKETT BRETT GRAHAM.</p>
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(57) Abstract :

A method of modifying the operation of the encoder function (2) and/or the decoder function (4) of a perceptual coding system in accordance with supplemental information, such as a watermark, so that the supplemental information may be detectable in the output of the decoder function. One or more parameters are modulated in the encoder function and/or the decoder function in response to the supplemental information.



**Publication After 18 months. 2.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 292/KOL-NP/2003 A

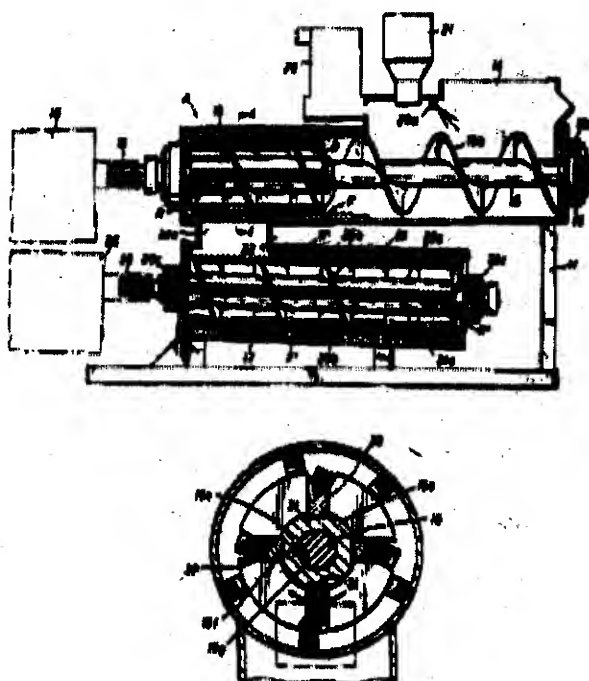
(22) Date of filing of : 10/03/2003  
application

(54) Title of the Invention : "APPARATUS FOR PROCESSING MEDICAL WASTE"

<p>(51) International classification : B02C 18/40 (30) Priority Data : (31) Document No. 09/659,368 (32) Date : 12/09/2000 (33) Name of convention country : U.S.A. (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : POSITIVE IMPACT WASTE SOLUTIONS, INC., OF POST OFFICE BOX, 14692, ODESSA, TX 79768 U.S.A.  (72) Name of the Inventors : HEXT BILL R.</p>
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(57) Abstract :

An apparatus (A) for converting unconsolidated medical waste into a non-hazardous medical waste residue, which apparatus has an improved cutter assembly provided by a rotating cutter assembly that has revolving teeth (R, R') disposed at an oblique angle relative to the path of travel of the rotating teeth and to the stationary cutter assembly (F, F') to force the waste material between the revolving teeth (R, R') and fixed teeth (F, F'). An auger (15b, 25) moves the waste through the housing (10, 12) longitudinally to keep pressure on the opposing fixed and revolving teeth (F, F', R, R') while grinding the material into a reduced particle size to facilitate its disposal or storage.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.296/KOL-NP/2003 A (22) Date of filing of : 11/03/2003 application  
(54) Title of the Invention : "METHOD FOR PREPARING TOOTHPASTE USING A SORBITOL SYRUP"

(51) International classification : A61K 7/16 (30) Priority Data : (31) Document No. 01/09609 (32) Date : 18/07/2001 (33) Name of convention country : FR (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA	(71) Name of the Applicant : <b>ROQUETTE FRERES OF 62136 LESTREM, FRANCE.</b>  (72) Name of the Inventors : FRANCOIS ALAIN
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(57) Abstract : The invention concerns a method for preparing toothpaste comprising a sorbitol syrup as main humectant, at least an abrasive and at least a gelling agent. The invention is characterised in that it consists in using as humectant, a sorbitol syrup with a dry matter content ranging between 73 and 82.9%, preferably between 74 and 80%.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.297/KOL-NP/2003 A (22) Date of filing of : 11/03/2003 application  
(54) Title of the Invention : "METHOD FOR APPARATUS FOR AUDIO MATRIX DECODING"

(51) International classification : H04S 3/02 (30) Priority Data : (31) Document No. 60/229,712 (32) Date : 31/08/2000 (33) Name of convention country : U.S.A. (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA	(71) Name of the Applicant : <b>DOLBY LABORATORIES LICENSING CORPORATION, OF 100 POTRERO AVENUE, SAN FRANCISCO, CA 94103, U.S.A.</b>  (72) Name of the Inventors : 1. FOSGATE JAMES W., 2. VERNON STEPHEN D., 3. ANDERSEN ROBERT L.
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(57) Abstract :

A method derives at least three audio signals, each associated with a direction, from two input audio signals. In response to the two input signals, a passive matrix generates a



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 302/KOL-NP/2003 A

(22) Date of filing of : 11/03/2003  
application

(54) Title of the Invention : "MINIMIZING SPECTRAL EFFECTS DURING NIR-BASED BLOOD ANALYTE DETERMINATION"

<p>(51) International classification : A61B 5/00 (30) Priority Data : (31) Document No. 60/235,369 &amp; 09/955,531 (32) Date : 26/09/2000 &amp; 17/09/2001 (33) Name of convention country : U.S.A. (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : SENSYS MEDICAL, INC., OF 7470 WEST CHANDLER BLVD, CHANDLER, AZ 85226, U.S.A.  (72) Name of the Inventors : 1. MAKAREWICZ MARCY R., 2. MATTU MUTUA, 3. BLANK THOMAS B., 4. MONFRE STEPHEN L., 5. RUCHTI TIMOTHY L.</p>
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(57) Abstract : A method and apparatus for minimizing confounding effects in a non-invasive in-vivo spectral measurement caused by fluctuations in tissue state monitors a selected tissue state parameter spectroscopically and maintains the selected parameter within a target range, at which spectral effects attributable to the changes in the selected parameter are minimized. The invention includes means for both active and passive control.

A preferred embodiment of the invention provides a method and apparatus for minimizing the confounding effects inner IR spectral measurements attributable to shifts in skin temperature at a tissue measurement site. Spectroscopic monitoring of skin temperature at the measurement site provides near-instantaneous temperature readings by eliminating thermal time constants. A thermistor positioned at the measurement site provides active control. The spectrometer and the temperature control device are incorporated into a single instrument for non-invasive measurement of blood glucose concentration.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 307/KOL-NP/2003 A

(22) Date of filing of : 13/03/2003  
application

(54) Title of the Invention : "VCD-ON-DEMAND SYSTEM AND METHOD"

(51) International classification : G06F 9/455

(30) Priority Data :

(31) Document No.

(32) Date :

(33) Name of convention country :

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

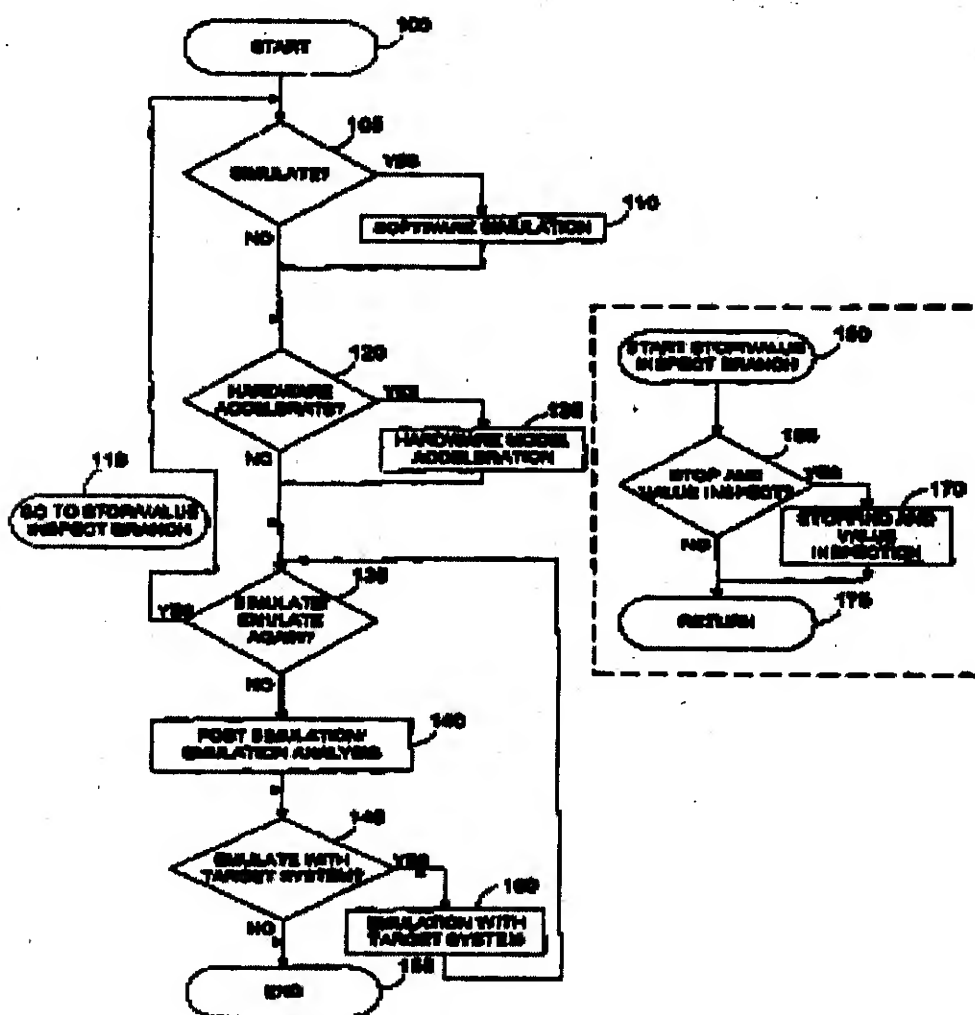
(64) Filed on :NA

(71) Name of the Applicant : AXIS  
SYSTEMS, INC., OF 209 JAVA DRIVE,  
SUNNYVALE, CALIFORNIA 94089, U.S.A.

(72) Name of the Inventors :

1. TSENG PING-SHENG,
2. GOEL YOGESH KUMAR,
3. SHEN QUINCY KUN-HSU.

(57) Abstract :



307/KOL-NP/2003 A

The disclosed technology is called VCD on demand. In a typical system, the EDA tool incorporating the VCD on-demand technology has the following high level attributes: (1) RCC-based parallel simulation history compression and recording, (2) RCC-based parallel simulation history decompression and VCD file generation, and (3) On-demand software regeneration for a selected simulation target range and design review without simulation rerun. Each of these attributes will be discussed in greater detail below. When the user selects a simulation range (Item 105), the RCC System records a highly compressed version of the primary inputs from the test bench process. The user then selects a narrower region, called the simulation target range (Item 135), within the simulation session range, for a more focused analysis. The RCC System dumps the hardware state information (i.e., primary outputs) of the hardware model into a VCD file. The RCC System then allows the user to proceed directly to view the VCD file from the beginning of the simulation target range (Item 105) without having to rerun the entire simulation from the very beginning of the simulation session range.

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 308/KOL-NP/2003 A

(22) Date of filing of : 13/03/2003  
application

(54) Title of the Invention : "TIMING-INSENSITIVE GLITCH-FREE LOGIC SYSTEM AND METHOD"

(51) International classification : G06F 17/50

(30) Priority Data :

(31) Document No.

(32) Date :

(33) Name of convention country :

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

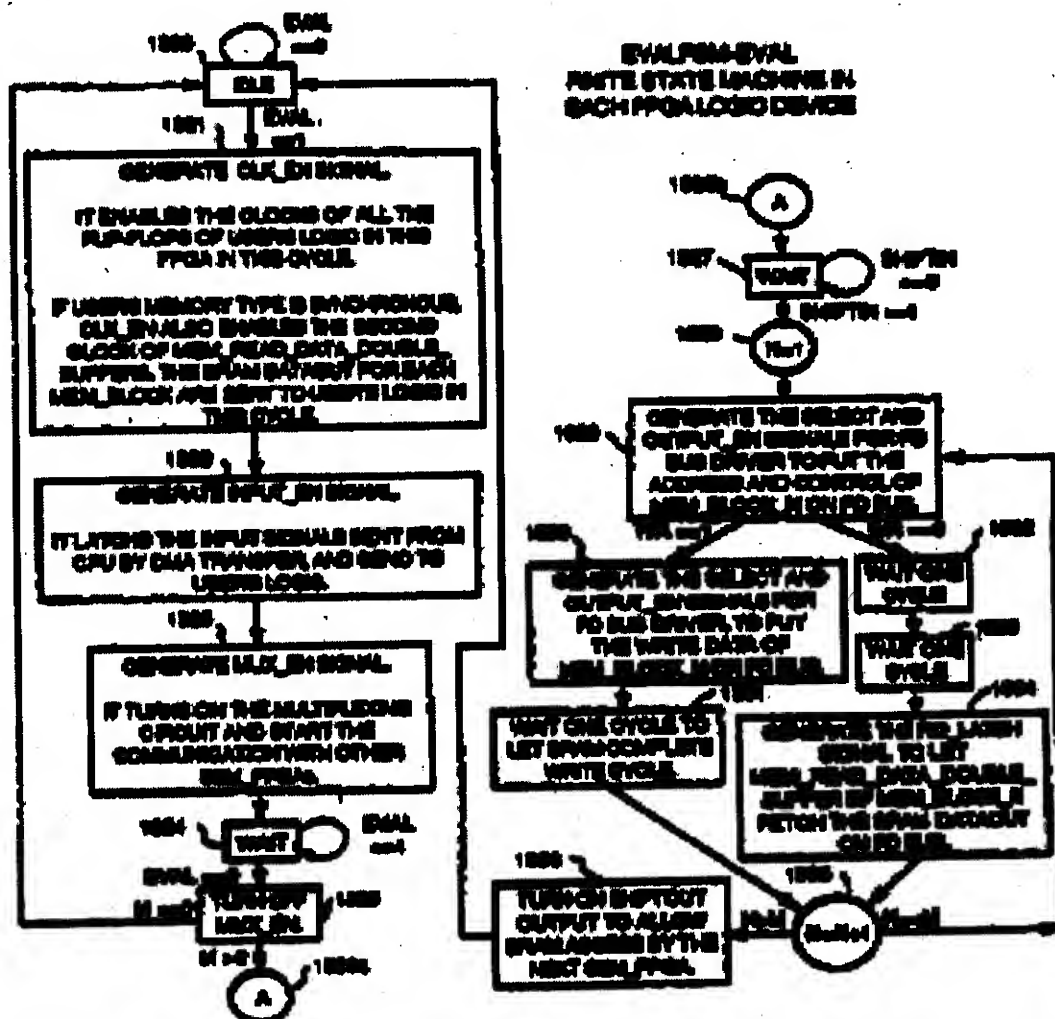
(64) Filed on :NA

(71) Name of the Applicant : AXIS SYSTEMS, INC., OF 209 JAVA DRIVE, SUNNYVALE, CALIFORNIA 94089, U.S.A.

(72) Name of the Inventors :

1. TSENG PING-SHENG,
2. LIN SHARON SHEAU-PYNG,
3. SHEN QUINCY KUN-HSU.

(57) Abstract :



## 308/KOL-NP/2003A

The disclosed devices are several forms of a timing insensitive glitch-free (TIGF) logic device. The TIGF logic device can take the form of any latch or edge-triggered flip-flop. In one embodiment, a trigger signal is provided to update the TIGF logic device. The trigger signal is provided during a short trigger period that occurs at adjacent times from the evaluation period. In latch form, the TIGF latch includes a flip-flop that holds the current state of the TIGF latch until a trigger signal is received. A multiplexer is also provided to receive the new input value and the old stored value. The enable signal functions as the selector signal for the multiplexer. Because the trigger signal controls the updating of the TIGF latch, the data at D input to the TIGF latch and the control data at the enable input can arrive in any order without suffering from hold time violations. Also, because the trigger signal controls the TIGF updates, the enable signal can glitch often without negatively affecting the proper operation of the TIGF latch. In flip-flop form the TIGF flip-flop includes a first flip-flop that holds the new input value, a second flip-flop that holds the current stored value, and a clock edge detector. All three of these components are controlled by the trigger signal for updating the TIGF flip-flop. A multiplexer is also provided with the edge detector signal functioning as the selector signal. Because one dedicated first flip-flop stores the new input value which effectively blocks input changes during evaluation, hold time violations are avoided. With the trigger signal controlling the TIGF flip-flop updates, clock glitches do not affect the hardware model of the user design circuit that uses the TIGF flip-flop as the emulated flip-flop.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 309/KOL-NP/2003 A

(22) Date of filing of : 13/03/2003  
application

(54) Title of the Invention : "PALLET FOR COILED CARRYING ARTICLE, LOADING STRUCTURE FOR LOADING COILED CARRYING ARTICLE TO PALLET, CONTAINING STRUCTURE FOR CONTAINING COILED CARRYING ARTICLE LOADING PALLET INTO CONTAINER AND TRANSPORT METHOD"

(51) International classification : B65D 19/10

(30) Priority Data :

(31) Document No. 244088/2001

(32) Date : 10/08/2001

(33) Name of convention country : JAPAN

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

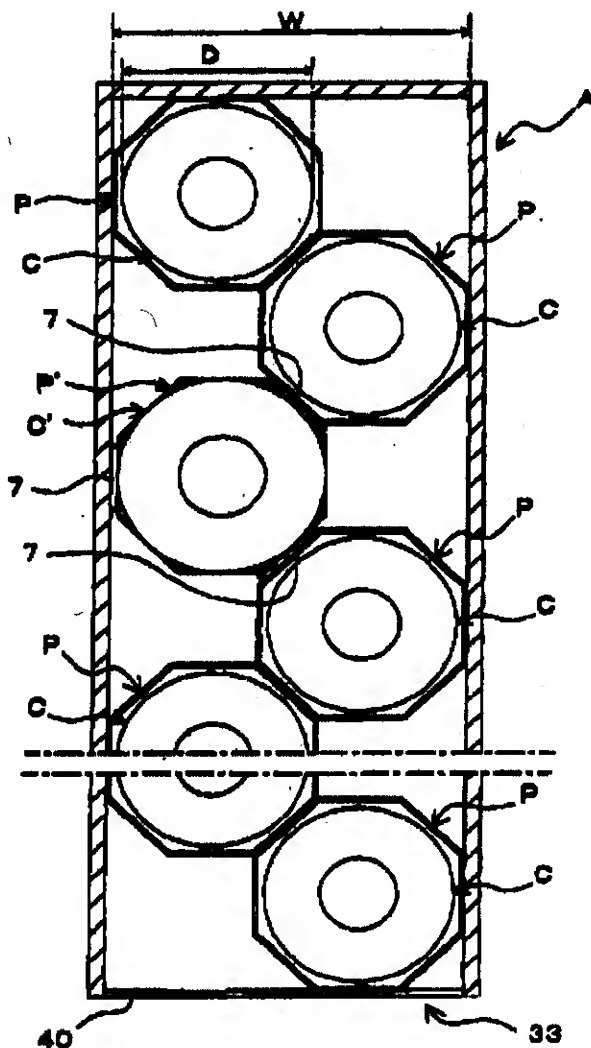
(64) Filed on :NA

(71) Name of the Applicant : TOYOTA  
STEEL CENTER CO. LTD., OF 33-4  
SHINPO-CHO, TOKAI-SHI, AICHI,  
JAPAN.

(72) Name of the Inventors :

1. AOKI TATSUHIKO,
2. ITOU NOBUAKI,
3. KATO NOBUHIRO

(57) Abstract :



309/KOL-NP/2003A

A pallet P of the present invention consists of a pallet main body 1, four mount sections 2 provided on the pallet main body 1, and a lower open space 5 provided below the pallet main body 1 and having open four sides. The pallet main body 1 has an abutment frame section 3 which can abut on an inner wall of a dry container A and other pallets P. According to this pallet P, if a predetermined number of pallets P are contained in the container A, the abutment frame sections 3 abut on the other pallets P, whereby a predetermined number of coiled carrying articles C which are loaded on the pallets P vertically are arranged in a zigzag fashion.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 310/KOL-NP/2003 A

(22) Date of filing of : 13/03/2003  
application

(54) Title of the Invention : "METHOD AND COMPOSITIONS FOR GLYCOSIDASE ASSAYS"

(51) International classification : C12Q 1/34

(30) Priority Data :

(31) Document No. 60/233,075

(32) Date : 15/09/2000

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

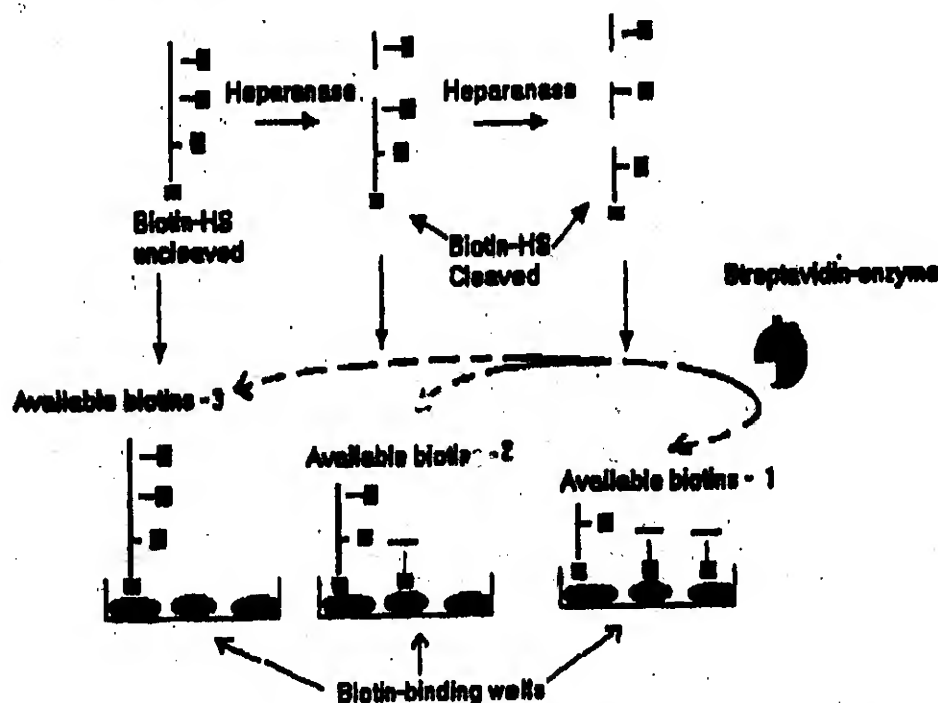
(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

(71) Name of the Applicant : REDDY US  
THERAPEUTICS INC., 3065  
NORTHWOODS CIRCLE, NORCROSS,  
GEORGIS 30071-1542, U.S.A.

(72) Name of the Inventors :  
1. PILLARISETTI, SIVARAM,  
2. SAXENA UDAY,  
3. WANG, DONGYAN.



(57) Abstract: The present invention is directed to compositions and methods for measuring enzymatic activity, particularly glycosidase activity. Methods of the present invention include assays for quantitatively determining the amount of glycosidase activity in a sample. The present invention also provides methods for the diagnosis of metastatic and inflammatory processes *in vitro* and *in vivo*. The present invention further provides compositions and methods for high throughput assays for identifying compounds that effect glycosidase activity.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.311/KOL-NP/2003 A

(22) Date of filing of : 13/03/2003  
application

(54) Title of the Invention : "MIXING HIGH TEMPERATURE GASES IN MINERAL KILNS"

(51) International classification : F27B 7/36

(30) Priority Data :

(31) Document No. 60/231,663, 60/251,129 & 60/276,355

(32) Date : 11/09/2000, 04/12/2000 & 16/03/2001

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

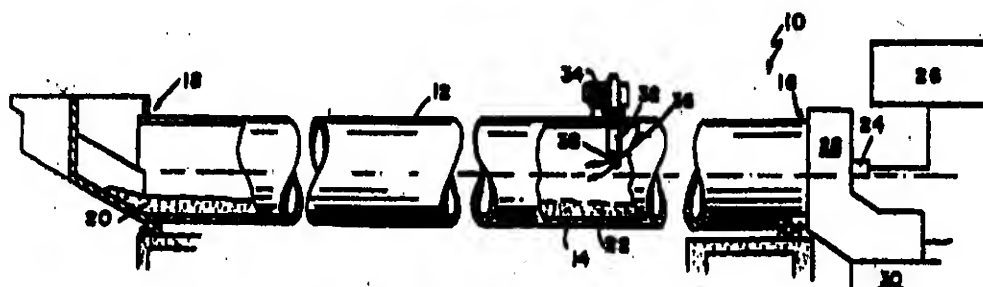
(64) Filed on :NA

(71) Name of the Applicant : 1) CADENCE ENVIRONMENTAL ENERGY, INC., OF ONE CADENCE PARK PLAZA, MICHIGAN CITY, IN 46360; 2) ASH GROVE CEMENT COMPANY, OF 8900 INDIAN CREEK PARKWAY, SUITE 600, OVERLAND PARK, KS 66210, U.S.A.

(72) Name of the Inventors :

1. HANSEN, ERIC, R.,
2. SUPELAK, RALPH, A.,
3. TUTT, JAMES, RONALD,
4. WAY, PETER, F.

(57) Abstract :



A method is described for reducing  $NO_x$  emissions and improving energy efficiency during mineral processing in a rotary kiln (12). The method comprises injection of air (32) with high velocity/high kinetic energy into the kiln to reduce or eliminate stratification of kiln gases. The method can be applied to mix gases in a rotary kiln vessel or in a preheater/calculator vessel.

Publication After 18 months.

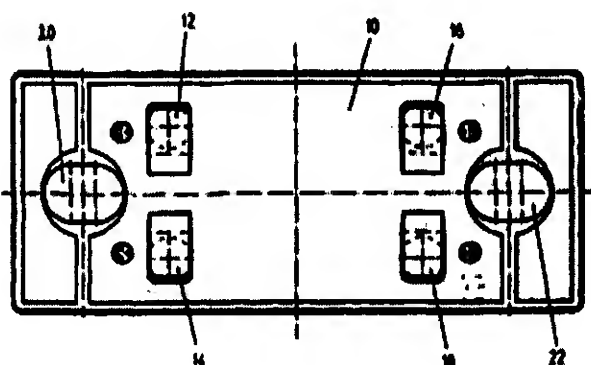
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.312/KOL-NP/2003 A (22) Date of filing of : 13/03/2003  
application  
(54) Title of the Invention : "BEARING FOR A SECTION OF A TRACK"

(51) International classification : E01B 7/02 (30) Priority Data : (31) Document No. 100 48 787.4 (32) Date : 29/09/2000 (33) Name of convention country : DE (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA	(71) Name of the Applicant : 1) BWG GMBH & CO. KG., OF WETZLARER STRASSE 101, 35510 BUTZBACH, GERMANY; 2) VAE GMBH., OF ROTENTURMSTRASSE 5-9, 1010WIEN, AUSTRIA.  (72) Name of the Inventors : 1. DIETZE HANS-ULRICH, 2. SCHMEDDERS STEFAN.
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**(57) Abstract :**

The invention relates to a bearing for a section of a track comprising, along the track sections, profile sections which deviate from each other, especially in the form of points. Said bearing comprises a plurality of supporting points respectively provided with a ribbed plate, in addition to an intermediate layer (24) made of an elasticated material disposed between the ribbed plate and an associated railway sleeper. According to the invention, in order to obtain identical subsidences along the sections of track, each or substantially each support point has an identical maximum subsidence with respect to each excavated track section or track sections



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

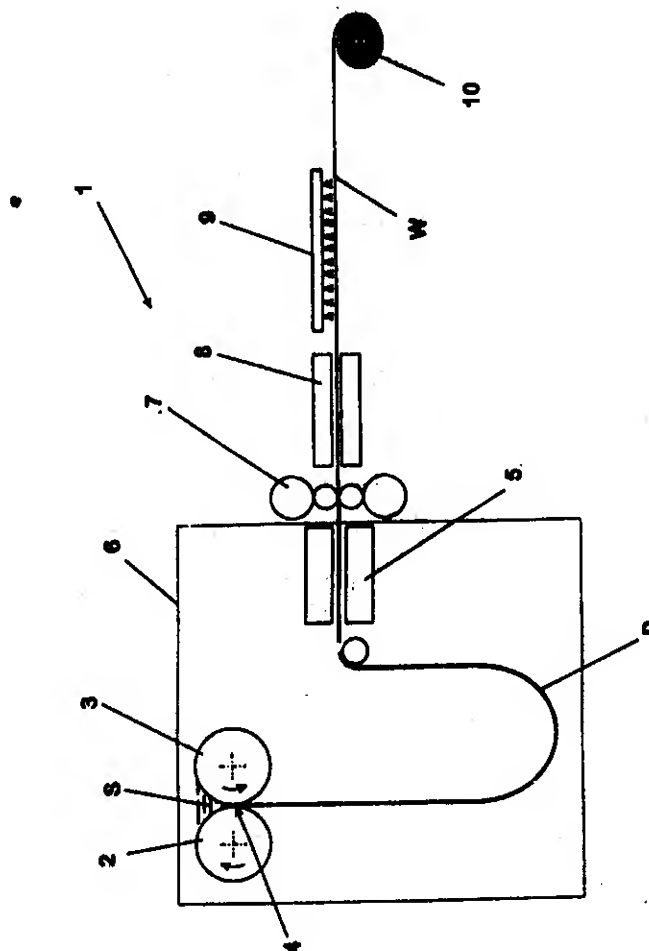
(21) Application No.313/KOL-NP/2003 A

(22) Date of filing of : 13/03/2003  
application

(54) Title of the Invention : "METHOD FOR MANUFACTURING A STEEL STRIP OR SHEET CONSISTING MAINLY OF MN-AUSTENITE"

<p>(51) International classification : C22C 38/38, 38/58, C21D 8/02, B22D 11/06</p> <p>(30) Priority Data :</p> <p>(31) Document No.</p> <p>(32) Date :</p> <p>(33) Name of convention country :</p> <p>(66) Filed U/s 5(2) :NIL</p> <p>(61) Patent of addition to application No. NA</p> <p>(62) Filed on :NA</p> <p>(63) Divisional to Application No. :NIL</p> <p>(64) Filed on :NA</p>	<p>(71) Name of the Applicant : <b>THYSSENKRUPP NIROSTA GMBH., OF OBERSCHLESLENSTRASSE 16, 47807 KREFELD, GERMANY.</b></p> <p>(72) Name of the Inventors : 1. BRUCKNER, GABRIELE, 2. SCHLUMP, WOLFGANG, 3. KRAUTSCHICK, HANS-JOACHIM.</p>
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(57) Abstract :



313/KOL-NP/2003 A

The method according to the invention can be used for the economic manufacture of a steel strip (W) or sheet consisting mainly of Mn-austenite which possesses enhanced strength compared with the prior art. For this purpose a steel is melted which contains at least the following alloying components (in wt. %), 15.00 - 24.00 % Cr, 5.00 - 12.00 % Mn, 0.10 - 0.60 % N, 0.01 - 0.2 % C, max. 3.00 % Al and/or Si, max. 0.07 % P, max. 0.05 % S, max. 0.5 % Nb, max. 0.5 % V, max. 3.0 % Ni, max. 5.0 % Mo, max. 2.0 % Cu as well as iron and unavoidable impurities as the remainder. This steel is cast into a thin strip (D) having a maximum thickness of 10 mm in a casting gap formed between two rotating rollers (2, 3) or rolls. The rollers (2, 3) or rolls are cooled so intensively that the thin strip (D) in the casting gap (4) is cooled at a cooling rate of at least 200 K/s.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.317/KOL-NP/2003 A

(22) Date of filing of : 17/03/2003  
application

(54) Title of the Invention : "PHTHALIC ACID IMIDES AS SYNERGISTS FOR IMPROVING THE PROPERTIES OF AQUEOUS PIGMENT PREPARATIONS"

<p>(51) International classification : C09B 67/00 (30) Priority Data : (31) Document No. 100 53 119.9 (32) Date : 26/10/2000 (33) Name of convention country : DE (66) Filled U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filled on :NA (63) Divisional to Application No. :NIL (64) Filled on :NA</p>	<p>(71) Name of the Applicant : CLARIANT GMBH, OF BRUNINGSTRASSE 50, 65929 FRANKFURT AM MAIN, GERMANY.  (72) Name of the Inventors : 1. WINTER, MARTIN, ALEXANDER, 2. HARZ, ANDREAS, 3. METZ, HANS-JOACHIM.</p>
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(57) Abstract :

The invention relates to pigment preparations containing (a) at least one organic or inorganic pigment; (b) at least one cyclic imide of general formula (1) wherein R<1> represents a linear-chain, branched or cyclic aliphatic radical having 10 to 30 - preferably 12 to 25 - carbon atoms, or an alkenyl radical having 10 to 30 - preferably 12 to 25 - carbon atoms, the aforementioned radicals being able to be substituted by at least one, e.g. 2, 3, 4 or 5, substituent from the group consisting of C1-C6-alkyl, C1-C6-alkoxy, C6-C10-aryl, hydroxy, carboxy and sulfo, R<2>, R<3>, R<4> and R<5> are the same or different and represent hydrogen, C1-C10-alkyl, C1-C10-alkoxy, halogen, OR<6>, NR<6>R<7>, -COOR<6>, -CONR<6>R<7>, -NR<6>-COR<7>, SO<sub>2</sub>NR<6>R<7>, -SO<sub>3</sub>M, -NO<sub>2</sub>, -CN or CF<sub>3</sub>, R<6> and R<7> representing H or an alkyl radical having 1 to 10 C atoms and M representing an equivalent of a cation having a valency of 1 to 3; and (c) optionally further standard additives.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.318/KOL-NP/2003 A

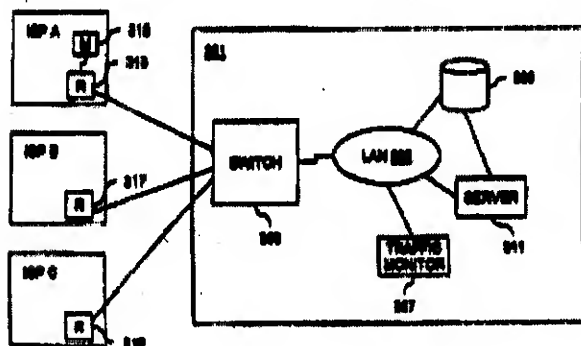
(22) Date of filing of : 17/03/2003  
application

(54) Title of the Invention : "METHOD AND SYSTEM FOR PROVIDING SETTLEMENT OF INTERCONNECTED PACKET-SWITCHED NETWORKS"

<p>(51) International classification : G06F 17/60 (30) Priority Data : (31) Document No. 09/670,365 (32) Date : 26/09/2000 (33) Name of convention country : U.S.A. (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : MCI WORLD COM, INC., OF 515 AMITE STREET, JACKSON, MS 39201, U.S.A.  (72) Name of the Inventors : HUDDLE, SCOTT, R.</p>
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(57) Abstract :

An approach for supporting settlement of network usage associated with multiple network service providers is disclosed. A settlement system (301) includes a processor that determines a settlement agreement among the network service providers. The settlement agreement specifies rate information associated with traffic exchange among the corresponding networks of the network service providers. A traffic monitor (307) measures source traffic statistics, which is stored in a settlement database (309). Additionally, the settlement database (309) stores the settlement agreement. The processor computes settlement information based upon the stored traffic statistics; the settlement information includes usage cost differential information for reconciliation of network usage among the various networks. An approach for supporting settlement of network usage associated with multiple network service providers is disclosed. A settlement system (301) includes a processor that determines a settlement agreement among the network service providers. The settlement agreement specifies rate information associated with traffic exchange among the corresponding networks of the network service providers. A traffic monitor (307) measures source traffic statistics, which is stored in a settlement database (309). Additionally, the settlement database (309) stores the settlement agreement. The processor computes settlement information based upon the stored traffic statistics; the settlement information includes usage cost differential information for reconciliation of network usage among the various networks.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.320/KOL-NP/2003 A

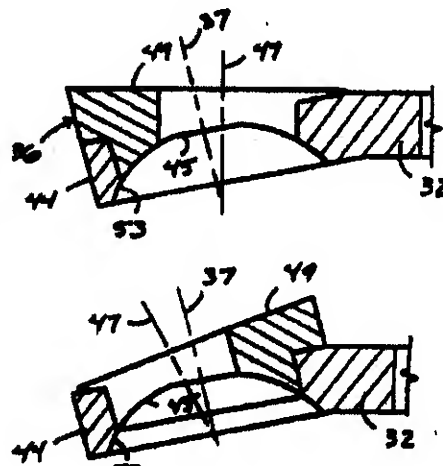
(22) Date of filing of : 17/03/2003  
application

(54) Title of the Invention : "SPINAL STABILISATION APPARATUS"

<p>(51) International classification : A61B 17/70  (30) Priority Data :  (31) Document No. 09/641, 448  (32) Date : 17/08/2000  (33) Name of convention country : U.S.A.  (66) Filed U/s 5(2) :NIL  (61) Patent of addition to application No. NA  (62) Filed on :NA  (63) Divisional to Application No. :NIL  (64) Filed on :NA</p>	<p>(71) Name of the Applicant : PERUMALA CORPORATION, OF 942 WILD ROSE LANE, BROWNSVILLE, TEXAS 78520, U.S.A.   (72) Name of the Inventors : PISHARODI MADHAVAN</p>
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(57) Abstract :

A multi-axis correction washer for use with a spinal stabilizer for internal spinal fixation. The body of the washer is provided in cylindrical and wedge-shaped cylindrical configurations with a passage through the center axis of the longitudinal axis of the cylinder and/or offset from the center axis of the cylindrical washer and a shoulder or other structure for rotatably engaging an aperture in a spinal implant. The spinal implant can be a plate and screw-type, ladder-type, or monorail-type spinal fixation system. The washer is provided with a concave surface and a bearing surface, the former being adapted to engage the hemispherically-shaped head of the pedicle screw and the nut threaded onto the pedicle screw bearing against the latter. The washer is rotated to provide an infinite range of angles and pedicle screw placements relative to the central axis of the spinal column for maximum flexibility of installation and to effectively transfer the load on the spinal column to the implant, all while maintaining an angle of approximately 90° between the head of the screw and/or nut and the washer that engages the implant.



**Publication After 18 months.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 321/KOL-NP/2003 A (22) Date of filing of : 17/03/2003  
application  
(54) Title of the Invention : "COMPRESSED METAL OXIDE COMPOSITION"

(51) International classification : B01J 20/22	(71) Name of the Applicant : M-I L.L.C., OF
(52) Priority Date :	17998, CHESTERFIELD AIRPORT ROAD,
(51) Document No. 69663,946	SUITE 215, CHESTERFIELD, MO 63005,
(52) Date : 19/09/2000	U.S.A.
(53) Name of convention country : U.S.A.	(72) Name of the Inventors :
(56) Filed U/s 3(b) PHE	1. SCRANTON DELBERT C. JR.,
(61) Patent of addition to application No. NA	2. BRAGA THOMAS G.,
(62) Filed on NA	3. JOHNSON ALAN D.,
(63) Divisional to Application No. :NIL	4. SAMUELS ALVIN.
(64) Filed on NA	

(57) Abstract : The present invention relates to a compressed metal oxide composition particle comprised of metal oxide and a binder, with the binder preferably being a water insoluble cellulose composition. The present invention also relates to a method for forming a compressed metal oxide composition particle, with the preferred method including compressing a metal oxide and binder mixture to form compressed metal oxide composition particles.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 322/KOL-NP/2003 A (22) Date of filing of : 19/03/2003  
application  
(54) Title of the Invention : "STRUCTURALLY ENHANCED CRACKING CATALYSTS"

(51) International classification : B01J 29/00 (30) Priority Data : (31) Document No. 09/667,677 & 09/956,250 (32) Date : 22/09/2000 & 20/09/2001 (33) Name of convention country : U.S.A. (66) Filed U/s 5(2) : NIL (61) Patent of addition to application No. NA (62) Filed on : NA (63) Divisional to Application No. : NIL (64) Filed on : NA	(71) Name of the Applicant : ENGELHARD CORPORATION, OF 101 WOOD AVENUE, P.O. BOX 770, ISELIN, NJ 08830-0770 U.S.A.  (72) Name of the Inventors : 1. STOCKWELL, DAVID, M., 2. BROWN, RANDALL, P.
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(57) Abstract : Zeolite microsphere FCC catalysts having a novel morphology comprising a macroporous matrix and crystallized zeolite freely coating the walls of the pores of the matrix. The catalysis are formed from microspheres containing a metakaolin and kaolin calcined through its exotherm the latter calcined kaolin being derived from a kaolin having a high pore volume. Kaolin having a high pore volume can be a pulverized ultrafine kaolin or a kaolin which has been pulverized to have an incipient slurry point less than 57 % solids.

**Publication After 18 months,**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

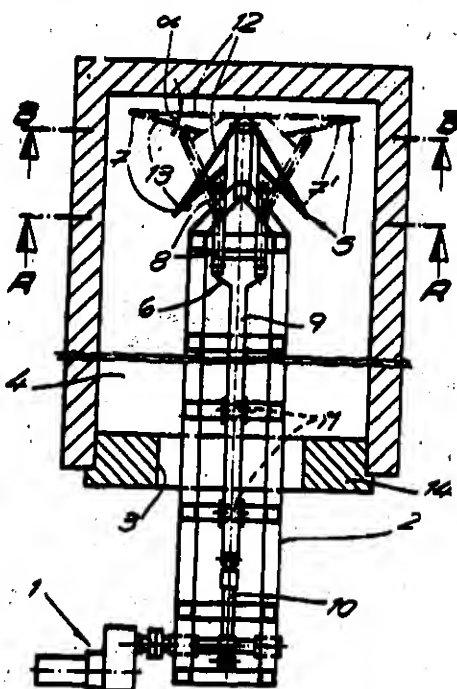
(21) Application No.323/KOL-NP/2003 A

(22) Date of filing of: 19/03/2003  
application

(54) Title of the Invention : "LEVELING DEVICE WITH AN ADJUSTABLE WIDTH"

<p>(51) International classification : C10B 37/02  (30) Priority Data :  (31) Document No. 100 46 487.4  (32) Date : 20/09/2000  (33) Name of convention country : DE  (66) Filed U/s 5(2) :NIL  (61) Patent of addition to application No. NA  (62) Filed on :NA  (63) Divisional to Application No. :NIL  (64) Filed on :NA</p>	<p>(71) Name of the Applicant : THYSSEN  KRUPP ENCOKE GMBH, GERMANY  CHRISTSTRASSE 9, 44789 BOCHUM A  GERMAN COMPANY.    (72) Name of the Inventors :  1. SCHUCKER, FRANZ-JOSEF,  2. BAST, CLAUDIUS, JURGEN,  3. WEIERSHAUSEN, ROLF.</p>
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(57) Abstract : The device relates to a device for levelling the coal filled in the retort of a coke oven, comprising a leveller bar (2) connected with a leveller bar drive (1) that can be moved into and out of the retort (4) through a levelling opening (3), and performs a levelling movement back and forth in the retort (4). According to the invention, the leveller bar (2) has a rake blade (5) on its front end with a width that can be adjusted by an operating device (6) arranged in the leveller bar (2).



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.324/KOL-NP/2003 A

(22) Date of filing of : 19/03/2003  
application

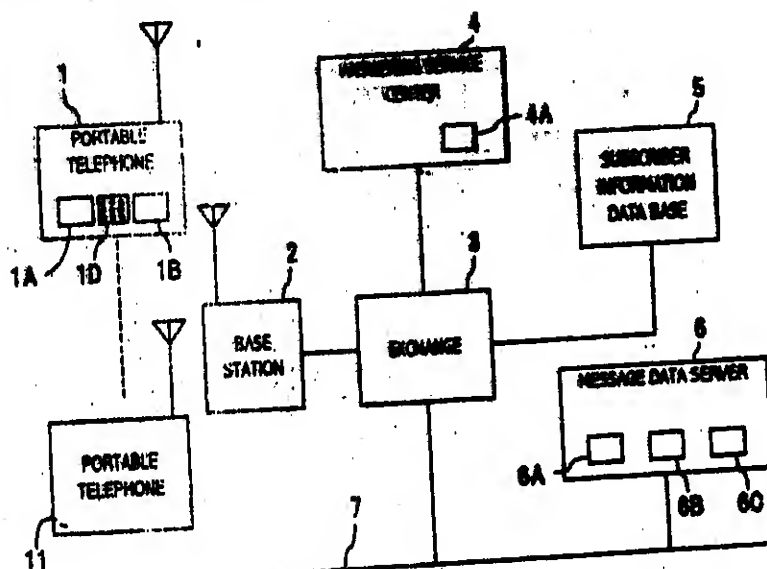
(54) Title of the Invention : "ANSWER-PHONE MESSAGE PROVIDING SYSTEM"

(51) International classification : H04M 3/42  
(30) Priority Data :  
(31) Document No. 2000-315994  
(32) Date : 17/10/2000  
(33) Name of convention country : JP  
(66) Filed U/s 5(2) :NIL  
(61) Patent of addition to application No. NA  
(62) Filed on :NA  
(63) Divisional to Application No. :NIL  
(64) Filed on :NA

(71) Name of the Applicant : DZZY ENTERTAINMENT INC., OE 3-4-14, HIGASHI, SHIBUYA-KU, TOKYO 150-0011, JAPAN.

(72) Name of the Inventors :  
MURATA, SUSUMU

(57) Abstract : A system capable of providing messages for a guidance in a number of special expression forms to a telephone (11) on the calling side from a telephone (1) on the called side. A user of the present system is in advance, able to select message data in an expression form of his (her) taste from a message data server (6) having message data in a number of special expression forms through an internet (7). The selected message data is caused to correspond to the telephone (1) of the user to store it in an answering service center (4). Where receiving from the telephone (11) on the calling side to the telephone (1) is disabled, the guidance on the basis of the selected message data is provided from the answering service center (4) to the telephone (11) on the calling side.



**Publication After 18 months.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.329/KOL-NP/2003 A

(22) Date of filing of : 20/03/2003  
application

(54) Title of the Invention : "ACTIVE AGENT DELIVERY SYSTEMS AND METHODS FOR PROTECTING AND ADMINISTERING ACTIVE AGENTS "

(51) International classification : A61K 9/14, 9/22

(30) Priority Data :

(31) Document No: 09/042,820

(32) Date : 22/02/2000

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

(71) Name of the Applicant : NEW RIVER PHARMACEUTICALS, INC., OF 100 FIFTH STREET, SUITE 410, BRISTOL, TENNESSEE 37620, U.S.A.

(72) Name of the Inventors :

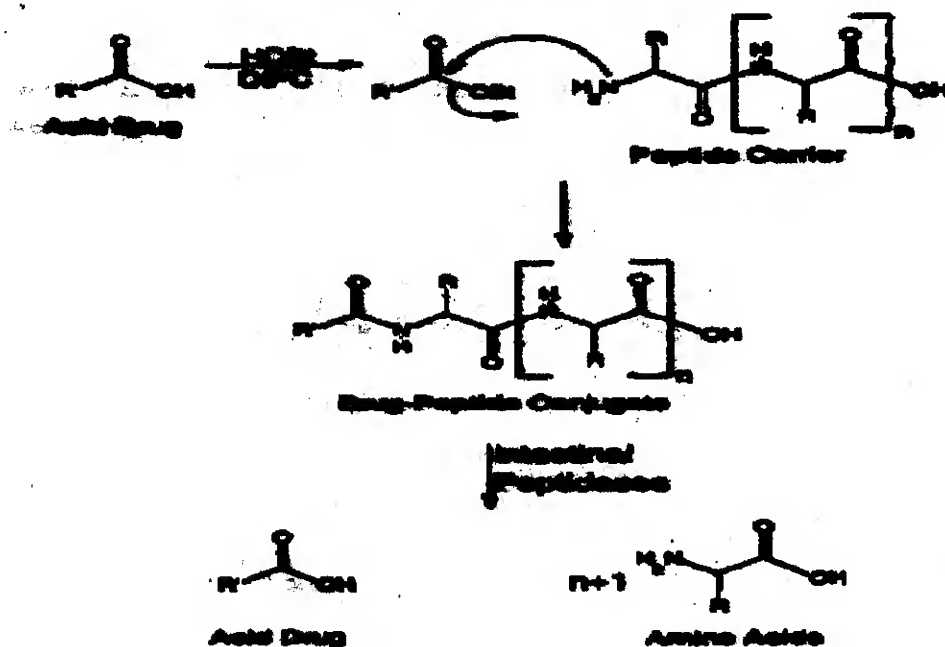
1. PICCARIELLO THOMAS,

2. OLON LAWRENCE P.,

3. KIRK RANDALL J.

(57) Abstract :

**Acid Drug/Peptide-Tetramine Scheme**



R=Radical moiety attached to acid functionality on drug  
Peptide chain of amino acid or peptide  
HOBt=Hydroxybenzotriazole  
DPC=Diisopropylcarbodiimide

329/K0L-NP/2003 A

A composition comprising a polypeptide and an active agent covalently attached to the polypeptide. Also provided is a method for delivery of an active agent to a patient comprising administering to the patient a composition comprising a polypeptide and an active agent covalently attached to the polypeptide. Also provided is a method for protecting an active agent from degradation comprising covalently attaching the active agent to a polypeptide. Also provided is a method for controlling release of an active agent from a composition comprising covalently attaching the active agent to the polypeptide (Figure 1).

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.330/KOL-NP/2003 A

(22) Date of filing of : 20/03/2003  
application

(54) Title of the Invention : "AUTOMATICALLY ACTIVATED FIRE EXTINGUISHER"

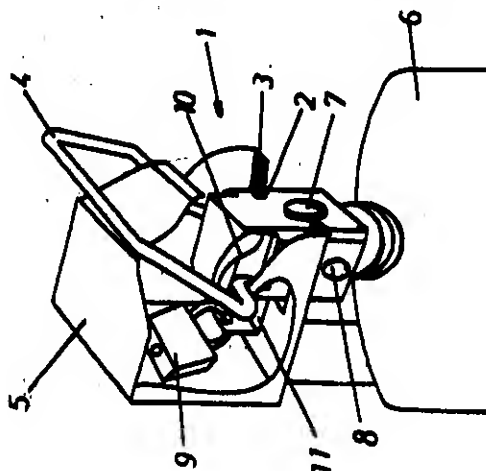
(51) International classification : A62C 13/78	(71) Name of the Applicant : SIMONSEN VIDAR, OF VESTLIA 31, N-1992 VALER I ØSTFOLD NORWAY.
(30) Priority Data :	
(31) Document No.	
(32) Date :	
(33) Name of convention country :	(72) Name of the Inventors :
(66) Filed U/s 5(2) :NIL	SIMONSEN VIDAR
(61) Patent of addition to application No. NA	
(62) Filed on :NA	
(63) Divisional to Application No. :NIL	
(64) Filed on :NA	

(57) Abstract :

An arrangement at a fire extinguisher with a holder device (5) for the fire extinguisher which co-operates with activating means that effect activation of the fire extinguisher upon removal of this from the holder.

The holder device can be equipped with fastening means that are known *per se*, for fixing the holder to a wall, a post or similar.

The activating means may consist of a release plunger biased by a spring, where the release plunger is held in the biased position by means of a locking pin that runs through a hole in the top part (1) of the fire extinguisher and into a notch in the release plunger, thereby holding the activating plunger in a deactivated position, so that when a user pulls the handle (4) in order to remove the extinguisher from the holder device (5), the locking pin is retained in the holder device (5) and the fire extinguisher is activated.



**Publication After 18 months.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.331/KOL-NP/2003 A

(22) Date of filing of : 20/03/2003  
application

(54) Title of the Invention : "A NEW SPECIFIC MECHANISM FOR INHIBITING PLATELET ADHESION TO COLLAGEN"

<p>(51) International classification : A61K 38/00 (30) Priority Data : (31) Document No. 001 18542.0 (32) Date : 25/08/2000 (33) Name of convention country : EP (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : MERCK PATENT GMBH, OF FRANKFURTER STRASSE 250, 64293 DARMSTADT, GERMANY.</p> <p>(72) Name of the Inventors : 1. BARNES CHRISTOPHER, 2. FRECH MATTHIAS, 3. HOFMANN UWE, 4. GLEITZ JOHANNES, 5. STRITTMATTER WOLFGANG.</p>
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(57) Abstract : Use of the polypeptide Saratin for the manufacture of a medicament having the capability to significantly decrease platelet adhesion and platelet accumulation after vascular injuries or endarterectomy. The invention furthermore relates to a novel medical use of Saratin as an inhibitor of thrombosis and intimal hyperplasia, wherein said polypeptide may be used locally as a topical agent or as a coating on or otherwise incorporated or associated with medical devices.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.332/KOL-NP/2003 A

(22) Date of filing of : 21/03/2003  
application

(54) Title of the Invention : "PITCH CYCLE SEARCH RANGE SETTING APPARATUS AND PITCH CYCLE SEARCH APPARATUS"

(51) International classification : G10L  
19/12, 11/04

(30) Priority Data :

(31) Document No. 2001-234559

(32) Date : 02/08/2001

(33) Name of convention country : JP

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

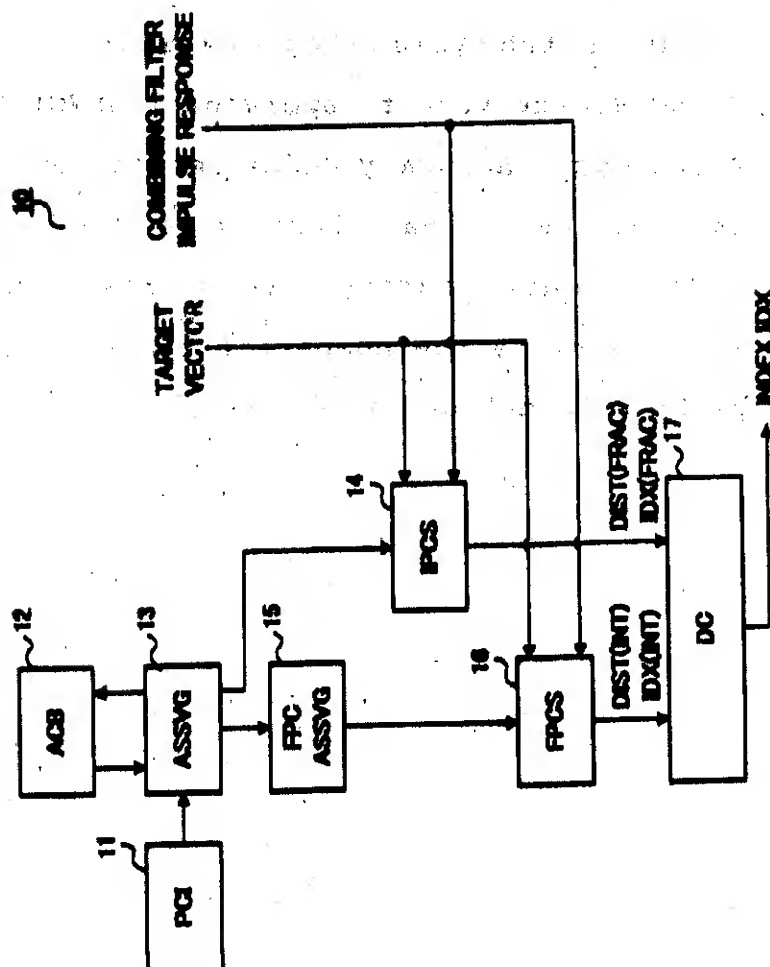
(64) Filed on : NA

(71) Name of the Applicant : MATSUSHITA  
ELECTRIC INDUSTRIAL CO. LTD., OF  
1006, OAZA KADOMA, KADOMA-SHI,  
OSAKA 571-8501 JAPAN.

(72) Name of the Inventors :

1. SATO KAORU,
2. YASUNAGA KAZUTOSHI,
3. MORII TOSHIYUKI,

(57) Abstract :



## 332/KOL-NP/2003 A

An Adaptive Sound Source Vector Generator (ASSVG) 103 sets preceding and succeeding pitch cycles centered on an integral-accuracy pitch cycle  $T_0$  selected in the previous subframe as a range for searching for a fractional-accuracy pitch frequency, and extracts an adaptive sound source vector  $P(T\text{-frac})$  that has fractional-accuracy pitch cycle  $T\text{-frac}$  within this range from an Adaptive Code Book (ACB) 102. A Last Sub Frame Integral Pitch Cycle Storage (LSFIPCS) 108 stores integral component  $T_0$  of the optimal pitch cycle selected by a Distortion Comparator (DC) 107, and when a pitch cycle of the next subframe is searched for, outputs this optimal pitch cycle integral component  $T_0$  to the Adaptive Sound Source Vector Generator (ASSVG) 103. An Optimal Pitch Cycle Accuracy Judge Section (OPCAJS) 109 judges whether the optimal pitch cycle is of integral accuracy or fractional accuracy. A Comparison Judge Section (CJS) 110 restricts the number of times fractional-accuracy pitch information is selected in an optimal pitch cycle.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.333/KOL-NP/2003 A

(22) Date of filing of : 21/03/2003  
application

(54) Title of the Invention : "APPARATUS AND PROCESS FOR FILTERING VISCOUS MATERIAL"

(51) International classification : B29C 47/68

(30) Priority Data :

(31) Document No. A 1627/2000

(32) Date : 26/09/2000

(33) Name of convention country : AT

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

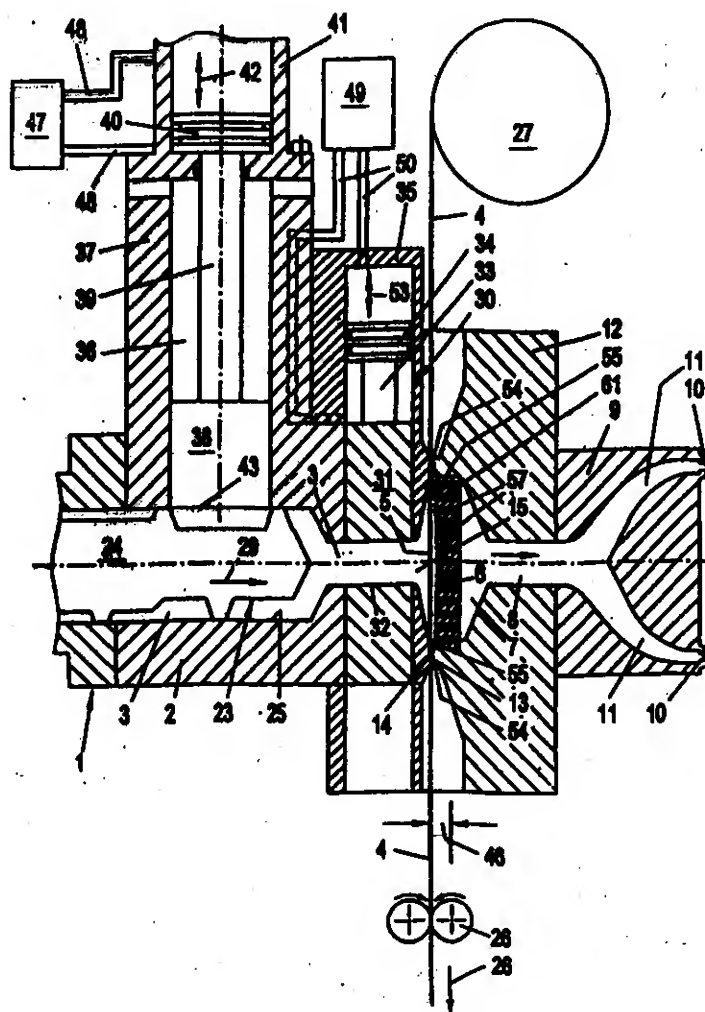
(64) Filed on :NA

(71) Name of the Applicant : 1) BACHER HELMUT, OF SCHMIDBERGERWEG 5 A-4490 ST. FLORIAN, AUSTRIA; 2) SCHULZ HELMUTH, OF BADSTRASSE 20 A-4490 ST. FLORIAN, AUSTRIA, 3) WENDELIN GEORG, OF WALDBOTHENWEG 84 A-4033 LINZ, AUSTRIA;

(72) Name of the Inventors :

1. BACHER HELMUT,  
2. SCHULZ HELMUTH,  
3. WENDELIN GEORG.

(57) Abstract :



## 333/KOL-NP/2003 A

An apparatus for filtering viscous material, in particular thermoplastic synthetic plastic material, comprises a screw (24), which presses the material to be cleaned from an upstream conduit (3) of a supply housing (2) towards a band-shaped screen (4). The screen (4) is abutted on its downstream side by a perforated plate (6) against the pressure of the supplied material. The band-shaped screen (4) can be displaced for replacement of a soiled band section by a fresh band section. For facilitating this displacement a device is provided, which comprises a closure means (30) that is disposed on the upstream side of the screen (4), by which closure means the upstream conduit (3) for the material to be filtered can be closed at least substantially. On the upstream side of this closure means (30) a storage space (36) for material to be cleaned is connected to the upstream conduit (3). Within this storage space (36) a piston (38) is sealingly guided, which is reciprocable by a drive means and closes in its projected position the storage space (36) against the upstream conduit (3).

**Publication After 18 months.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.335/KOL-NP/2003 A

(22) Date of filing of : 21/03/2003  
application

(54) Title of the Invention : "APPARATUS FOR IMPLANTING DEVICES IN ATRIAL APPENDAGES"

(51) International classification : A61B 17/34, A61F 2/01, 2/06

(30) Priority Data :

(31) Document No. 60/234, 111

(32) Date : 21/09/2000

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

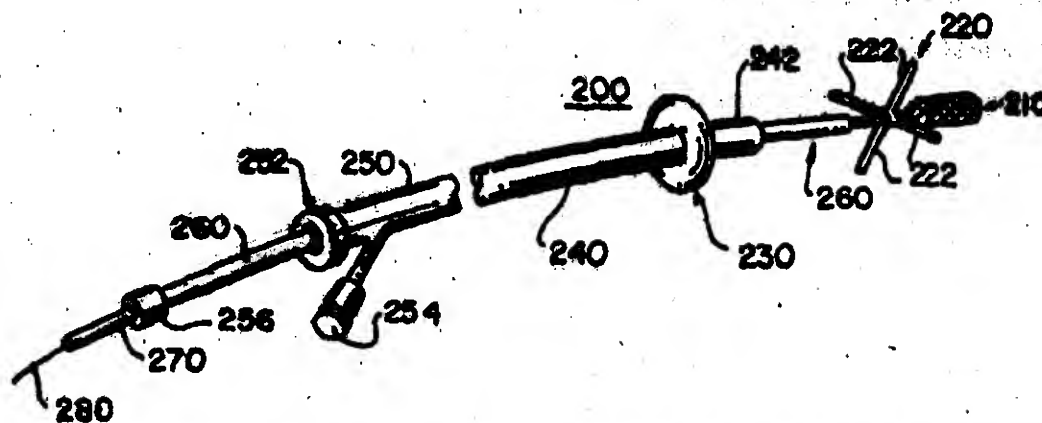
(71) Name of the Applicant : ATRITECH INC, OF 15350 25<sup>TH</sup> AVENUE, MINNEAPOLIS, MN 55447, U.S.A.

(72) Name of the Inventors :

1. BORILLO THOMAS B.

2. SUTTON GREGG, S.

(57) Abstract :



The invention provides a delivery system for placing devices in atrial appendages. The system includes a catheterization apparatus having a tubular structure with one or more nested tubes, wires, and shafts. The tubes establish a passageway for moving a device through a body's vasculature and heart into an atrial appendage. An expandable positioning guide is disposed on the distal end of a tube passing through the apparatus. The positioning guide is expanded in situ to engage atrial wall surfaces proximate to the atrial appendage for mechanical stabilization of the device delivery passageway. A shaft passing through the tubes transports the device through the passageway to the atrial appendage.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.336/KOL-NP/2003 A

(22) Date of filing of : 21/03/2003  
application

(54) Title of the Invention : "MULTIPLE VIEW ENDOSCOPES"

(51) International classification : A61B 1/00	(71) Name of the Applicant : MEDIGUS
(30) Priority Data :	LTD., OF P.O. BOX 3030 OMER
(31) Document No. 138632	INDUSTRIAL PARK, BLDG D2 84965
(32) Date : 21/09/2000	OMER, ISRAEL.
(33) Name of convention country : ISRAEL	(72) Name of the Inventors :
(66) Filed U/s 5(2) :NIL	1. SONNENSCHNEIN ELAZAR,
(61) Patent of addition to application No. NA	2. SONNENSCHNEIN MINELU,
(62) Filed on :NA	3. CHINNOCK RANDAL B.
(63) Divisional to Application No. :NIL	
(64) Filed on :NA	

(57) Abstract : The present invention relates to an endoscope comprising two or more optical channels that produce two or more distinct views. The endoscope of the invention is suitable for performing various surgical procedures, including fundoplication, stapling of the stomach for obesity management, bladder neck sling procedures for incontinence management, and other procedures that may benefit from having multiple interior views. Such treatments may be performed percutaneously, or by gaining access via natural body canals such as the esophagus or urethra.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.338/KOL-NP/2003 A

(22) Date of filing of : 24/03/2003  
application

(54) Title of the Invention : "FRICTION CONTROL COMPOSITIONS"

(51) International classification : C10M  
173/00

(30) Priority Data :

(31) Document No. 60/236,347 & 2,321,507

(32) Date : 29/09/2000

(33) Name of convention country : U.S.A &  
CANADA

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

(71) Name of the Applicant : KELSAN  
TECHNOLOGIES CORP., OF # 1140-1148  
WEST 15<sup>TH</sup> STREET, NORTH  
VANCOUVER, BRITISH COLUMBIA V7P  
1M9, CANADA.

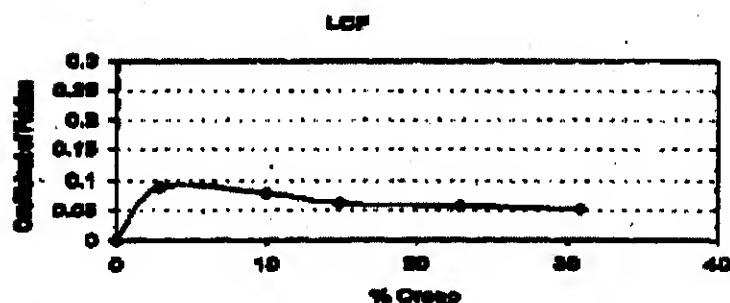
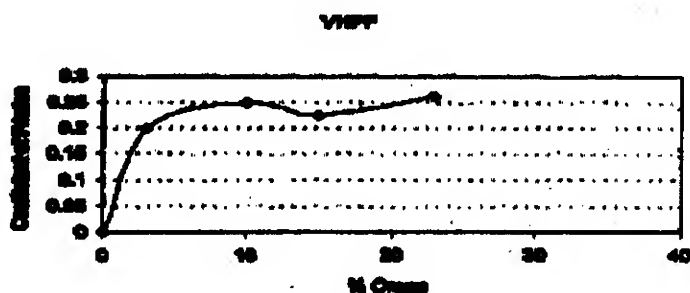
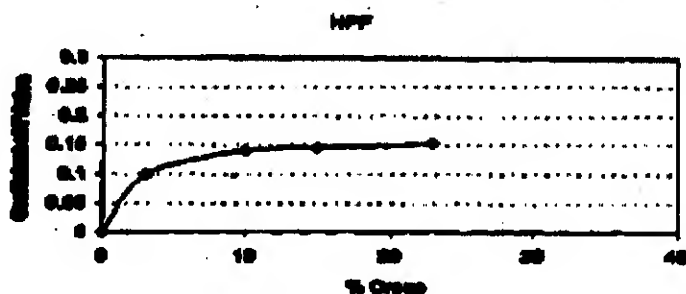
(72) Name of the Inventors :

1. COTTER, JOHN,

2. EADIE, DONALD T.,

3. CHIDDICK, KELVIN SPENCER.

(57) Abstract :



338/KOL-NP/2003 A

According to the invention there is provided a liquid friction control composition characterized as either having a high and positive friction characteristic or a low and neutral friction characteristic, comprising a retentivity agent. The liquid friction control composition may also comprise other components such as a solid lubricant, a wetting agent, a consistency modifier, and a preservative. The liquid friction control compositions may be used to modify the interfacial friction characteristics in sliding and rolling-sliding contact such as steel wheel-rail systems including mass transit and freight systems.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.339/KOL-NP/2003 A

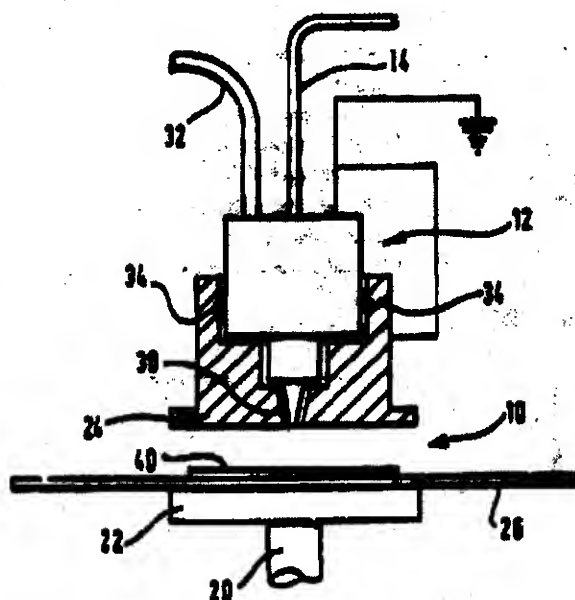
(22) Date of filing of : 24/03/2003  
application

(54) Title of the Invention : "METHOD AND APPARATUS FOR FORMING A COATING"

<p>(51) International classification : B05D (30) Priority Data : (31) Document No. 0024230.5 &amp; 0114877.4 (32) Date : 04/10/2000 &amp; 19/06/2001 (33) Name of convention country : GB (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : DOW CORNING IRELAND LIMITED, OF UNIT 12, OWENACURRA BUSINESS PARK, MIDLETON, COUNTY CORK, IRELAND.  (72) Name of the Inventors : 1. GOODWIN ANDREW, 2. MERLIN PATRICK, 3. BADYAL JAS PAL, 4. WARD LUKE.</p>
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(57) Abstract

A method for forming a coating on a substrate using an atmospheric pressure plasma discharge. The method comprises introducing an atomised liquid and/or solid coating-forming material into an atmospheric pressure plasma discharge and/or an ionised gas stream resulting therefrom, and exposing the substrate to the atomised coating-forming material. The application also describes a method for polymerising a polymer forming material, and further to apparatus for forming a coating on a substrate



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 341/KOL-NP/2003 A

(22) Date of filing of : 24/03/2003  
application

(54) Title of the Invention : "REDUCTION OF TRANSMISSION OF TRANSGENES IN PLANTS"

(51) International classification : A01H 5/00, C12N 5/10, 15/11, 15/82

(30) Priority Data :

(31) Document No.

(32) Date :

(33) Name of convention country :

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

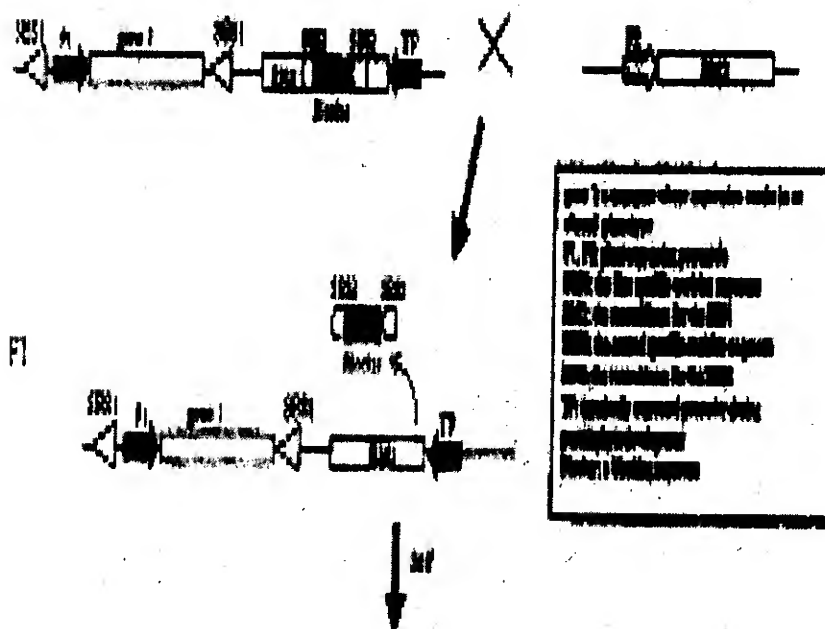
(71) Name of the Applicant : INSTITUTE OF MOLECULAR AGROBIOLOGY, OF 1 RESEARCH LINK, THE NATIONAL UNIVERSITY OF SINGAPORE, SINGAPORE 117604 SINGAPORE.

(72) Name of the Inventors :

1. SUNDARESAN VENKATESAN,  
2. HONG YAN.

(57) Abstract :

**Schematic Illustration of the Controlled Exclusion of a Transgene**



341/KOL-NP/2003 A

A method for making a genetically modified plant expressing a transgene with a desirable trait that is transmitted poorly, the trait being lost in ensuing generations due to excision of the transgene. The method involves hybridizing a first plant regenerated from a plant cell that has been transfected with DNA sequences comprising a first gene whose expression results in an altered plant phenotype linked to a promoter, the cassette of gene and promoter flanked on each side by the first specific excision sequences, a second gene that encodes a recombinase specific for the first specific excision sequences linked to a transiently active promoter, the gene and promoter being separated by a blocking sequence flanked on each side by the a second specific excision sequences to a second plant regenerated from a second plant cell that has been transfected with DNA sequences comprising a third gene that encodes a recombinase specific for the second specific excision sequences linked to a promoter, and growing a hybrid plant from the hybrid seed. Alternatively, a single plant can be stably transformed with all of the above sequences to effect the same result. Plant cells, plant tissues, plant seed and whole plants containing the above DNA sequences are also disclosed.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 342/KOL-NP/2003 A

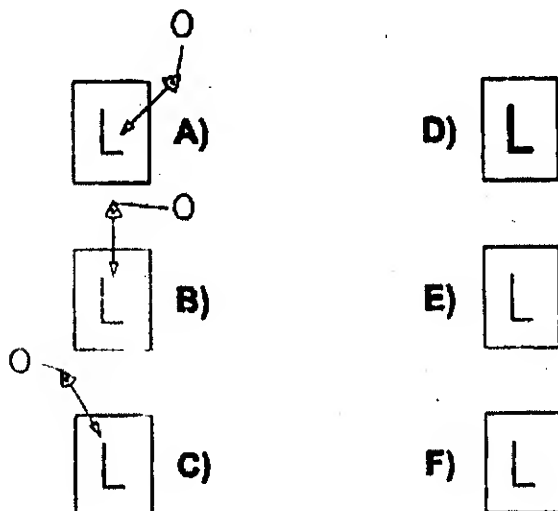
(22) Date of filing of : 24/03/2003  
application

(54) Title of the Invention : "DEVICE FOR EMBOSSING AND/OR SATIN-FINISHING A FLAT MATERIAL"

<p>(51) International classification : B31F 1/07 (30) Priority Data : (31) Document No. 2012/00 (32) Date :13/10/2000 (33) Name of convention country : SWITZERLAND (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : BOEGLI- GRAVURES S.A., OF RUE DE LA GARE 24-26, CH-2074 MARIN-EPAGNIER, SWITZERLAND.  (72) Name of the Inventors : BOEGLI, CHARLES</p>
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(57) Abstract :

The invention relates to a device for embossing and/or satin-finishing a flat material, comprising at least two embossing rolls that are linked with a drive and that can be driven individually or jointly. The rolls can be elastically pressed against each other and the pyramidal teeth of the rolls have a flattened tip. In order to produce an embossed structure with variable optical effects the teeth (T2) of at least one of the rolls are adapted to provide the flat material, especially the metallized packaging foil, with a sign (L) whose aspect varies depending on the visual angle of the viewer (O) and/or kind and/or location of the source of light (LS). These teeth (T2) have, for example, a height that is inferior to that of the remaining teeth (T1). The inventive device allows not only production of special effects by embossing but also production of security features that are especially forgery-proof.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 344/KOL-NP/2003 A

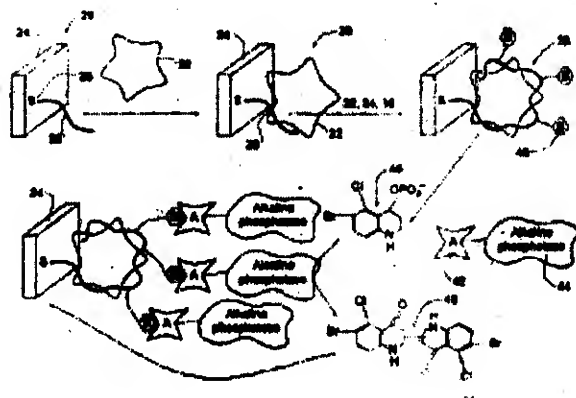
(22) Date of filing of : 24/03/2003  
application

(54) Title of the Invention : "METHOD AND SYSTEM FOR DETECTING NUCLEIC ACIDS"

<p>(51) International classification : C12Q 1/68  (30) Priority Data :  (31) Document No. 138229  (32) Date :04/09/2000  (33) Name of convention country : IL  (66) Filed U/s 5(2) :NIL  (61) Patent of addition to application No. NA  (62) Filed on :NA  (63) Divisional to Application No. :NIL  (64) Filed on :NA</p>	<p>(71) Name of the Applicant : YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSLEM, OF 46 JABOTINSKY STREET, 92182 JERUSALEM, ISRAEL.  (72) Name of the Inventors :  1. PATOLSKY FERNANDO,  2. LICHTENSTEIN AMIR,  3. WILLNER ITAMAAR,  4. WEIZMANN YOSSI.</p>
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(57) Abstract :

A method for the detection of a target nucleic acid in a sample containing a mixture of nucleic acids. The method comprises (a) providing a solid surface; (b) attaching to the solid surface an oligonucleotide probe complementary to a segment of the target nucleic acid; (c) contacting the surface with the sample, thereby allowing the probe to bind the target nucleic acid; (d) incubating the bound target nucleic acid with the 4 nucleotide types and a replication biocatalyst thereby forming a multi-stranded nucleic acid assembly, wherein at least one of the nucleotide types is bound by a label; and (e) detecting the label on the multi-stranded nucleic acid assembly, thereby detecting the target nucleic acid. Also disclosed are a system for identifying a target nucleic acid sequence in a sample and a kit for use in the method



Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 345/KOL-NP/2003 A

(22) Date of filing of : 24/03/2003  
application

(54) Title of the Invention : "ELECTRICALLY CONDUCTIVE POLYMER COMPOSITE COMPOSITIONS METHOD FOR MAKING, AND METHOD FOR ELECTRICAL CONDUCTIVITY ENHANCEMENT"

(51) International classification : H01B 1/22,  
1/24, 1/12

(30) Priority Data :

(31) Document No. 09/705,265

(32) Date :03/11/2000

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

(71) Name of the Applicant : GENERAL  
ELECTRIC COMPANY, OF 1 RIVER  
ROAD, SCHENECTADY, NEW YORK  
12345 U.S.A.

(72) Name of the Inventors :

1. TODT, MICHAEL LESLIE,
2. RODRIGUES, DAVID ERNEST,
3. TING, SAI-PEI.

(57) Abstract : Inclusion of relatively small amount of organic ionic species, such as calcium stearate, in the preparation of an electrically conductive polymer composite composition provides a composition having enhanced electrical properties relative to the composite composition lacking the added organic ionic species. As a result of this enhancement, normally insulating material which rely upon a conductive filler to render them electrically conductive, can be made to achieve a given level of conductivity using less of the conductive filler than would otherwise be required. As a result, the adverse effects of the conductive filler on the polymer's physical properties can be minimized while maintaining a high level of electrical conductivity.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 346/KOL-NP/2003 A

(22) Date of filing of : 25/03/2003  
application

(54) Title of the Invention : "CACHE DYNAMICALLY CONFIGURED FOR SIMULTANEOUS ACCESSSES BY MULTIPLE COMPUTING ENGINES"

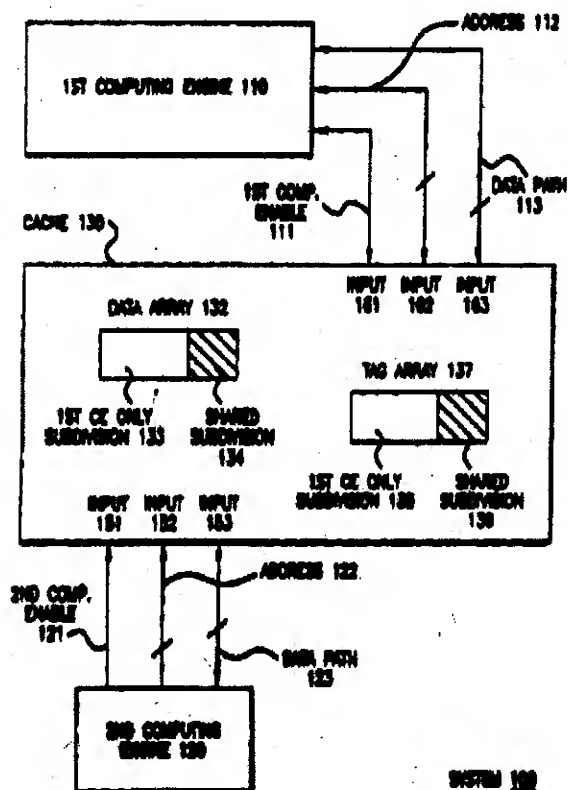
(51) International classification : G06F 12/00  
(30) Priority Data :  
(31) Document No. 09/667,688  
(32) Date :22/09/2000  
(33) Name of convention country : U.S.A.  
(66) Filed U/s 5(2) :NIL  
(61) Patent of addition to application No. NA  
(62) Filed on :NA  
(63) Divisional to Application No. :NIL  
(64) Filed on :NA

(71) Name of the Applicant : INTEL CORPORATION, OF 2200 MISSION COLLEGE BOULEVARD, SANTA CLARA, CA95052, U.S.A.

(72) Name of the Inventors :  
1. MAIYURAN SUBRAMANIA,  
2. PALANCA SALVADOR,

(57) Abstract :

A cache has an array with single ported cells and is dynamically accessible simultaneously by multiple computing engines. In a further embodiment, the cache also has a tag array including a first address input, a second address input, and a shared mode input, and a data array electrically coupled to the tag array and including a first address input, a second address input, and a shared mode input



Publication After 18 months.

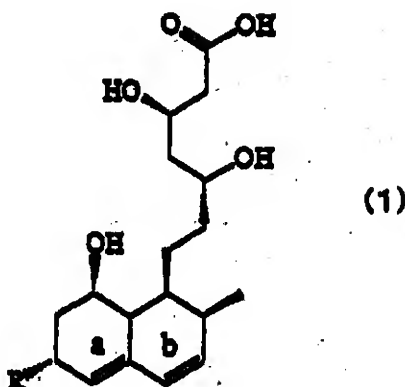
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 347/KOL-NP/2003 A (22) Date of filing of : 25/03/2003 application  
 (54) Title of the Invention : "METHOD FOR CRYSTALLIZATION OF HYDROXYCARBOXYLIC ACIDS"

(51) International classification : C07C 51/43 (30) Priority Data : (31) Document No. 2000-271895 (32) Date : 07/09/2000 (33) Name of convention country : JAPAN (66) Filled U/s 5(2) : NIL (61) Patent of addition to application No. NA (62) Filed on : NA (63) Divisional to Application No. : NIL (64) Filled on : NA	(71) Name of the Applicant : KANEKA CORPORATION, OF 2-4, NAKANOSHIMA 3-CHOME, KITA-KU, OSAKA-SHI, OSAKA 530-8288, JAPAN.  (72) Name of the Inventors : 1. FUKAE MASAFFUMI, 2. HIRAISHI YOSHIRO.
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## (57) Abstract :

The invention aims at producing high-purity crystals of a hydroxycarboxylic acid represented by the following formula (1) ;



in high yield.

Provided are a method for crystallization of a compound (1) which comprises acidifying a mixture of a solution of an alkali salt of the compound (1) and an organic solvent, and a method for crystallization of compound (1) by mixing a solution of the compound (1) in a water-miscible good solvent with water, in which a slurry with a necessary suspension amount of the compound (1) for inhibiting oil formation and scaling is prepared in advance and then a main crystallization is carried out in the presence of said slurry.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 349/MOL-NP/2003 A

(22) Date of filing of : 25/03/2003  
application

(54) Title of the Invention : "SPLIT ENVELOPED VIRUS PREPARATION FOR INTRANASAL DELIVERY"

(51) International classification : A61K  
39/12, 39/135, 39/246, 9/00  
(30) Priority Data :  
(31) Document No. 0234009.5  
(32) Date : 02/10/2000  
(33) Name of convention country : GREAT  
BRITAIN  
(66) Filed U/s 5(2) : NIL  
(61) Patent of addition to application No. NA  
(62) Filed on : NA  
(63) Divisional to Application No. : NIL  
(64) Filed on : NA

(71) Name of the Applicant :  
GLAXOSMITHKLINE BIOLOGICALS  
S.A., OF RUE DE L'INSTITUT 89, B-1380  
RIXENSART, BELGIUM.

(72) Name of the Inventors :  
1. COLAU BRIGITTE DESIRÉE ALBERTE,  
2. DESCHAMPS MARGUERITE.

(57) Abstract : In particular the present invention relates to vaccine formulations comprising split enveloped virus preparations, not split influenza virus preparations, in the manufacture of a vaccine formation for intranasal delivery, methods of manufacture of such formulation and use of such vaccines in the prophylaxis or therapy of disease.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 351/KOL-NP/2003 A

(22) Date of filing of : 25/03/2003  
application

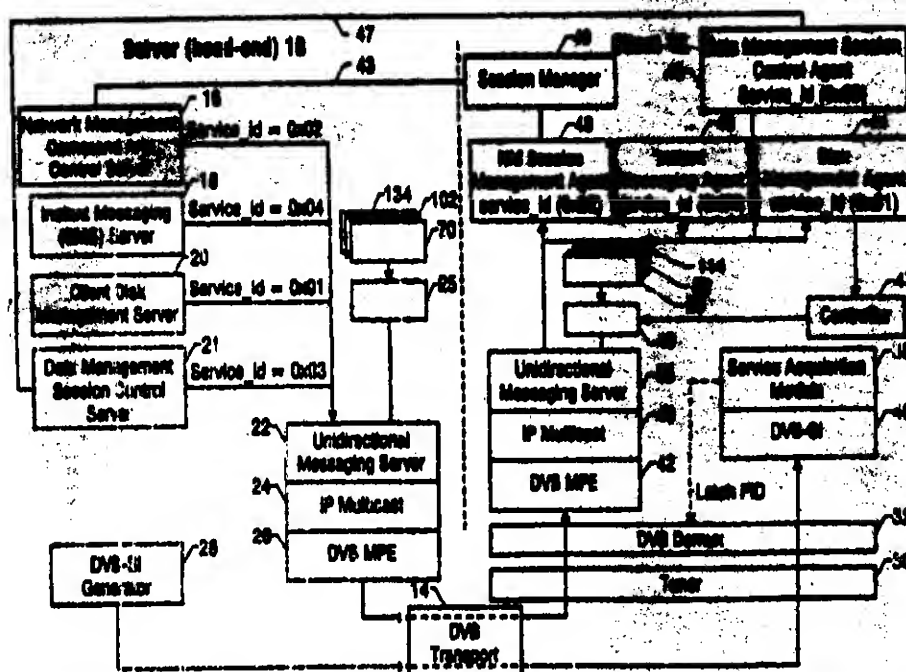
(54) Title of the Invention : "METHOD AND SYSTEM FOR MANAGING REMOTE CLIENTS IN A NETWORK CONSTITUTED BY A CENTRAL SERVER WHICH IS LINKED TO REMOTE CLIENTS"

(51) International classification : H04L 12/18  
(30) Priority Data :  
(31) Document No. 09/686,754  
(32) Date : 10/10/2000  
(33) Name of convention country : U.S.A.  
(66) Filed U/s 5(2) : NIL  
(61) Patent of addition to application No. NA  
(62) Filed on : NA  
(63) Divisional to Application No. : NIL  
(64) Filed on : NA

(71) Name of the Applicant : INTEL CORPORATION, OF 2300 MISSION COLLEGE BOULEVARD, SANTA CLARA, CA 95052, U.S.A.

(72) Name of the Inventors : HUSKINS JEFFREY

(57) Abstract :



A messaging system may enable a server to assign unique identifiers to a plurality of clients. These identifiers enable a client to determine whether a message is specifically targeted to that client or, as an alternative, whether the client is a member of a group of targeted clients. A server may send messages containing an identifier to agents on one or more clients. The identifier may specify commands to manage the uploading of information from one or more clients to a server.

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 353/KOL-NP/2003 A (22) Date of filing of : 25/03/2003 application  
 (54) Title of the Invention : "PROCESS FOR PURIFYING N<sup>2</sup>-(1(S)-ETHOXYCARBONYL-3-PHENYLPROPYL)-N<sup>6</sup>-TRIFLUOROACETYL-L-LYSINE"

(51) International classification : C07C 231/24, 237/12 (30) Priority Data : (31) Document No. 2001-218399 (32) Date : 11/07/2001 (33) Name of convention country : JAPAN (66) Filed U/s 5(2) : NIL (61) Patent of addition to application No. NA (62) Filed on : NA (63) Divisional to Application No. : NIL (64) Filed on : NA	(71) Name of the Applicant : KANEKA CORPORATION, OF 2-4, NAKANOSHIMA 3-CHOME, KITA-KU, OSAKA-SHI, OSAKA 530-8288, JAPAN.  (72) Name of the Inventors : 1. IIDA YASUHIRO, 2. MANABE HAJIME, 3. UEDA YASUYOSHI.
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## (57) Abstract :

A process for purifying N<sup>2</sup>-(1(S)-ethoxycarbonyl-3-phenylpropyl)-N<sup>6</sup>-trifluoroacetyl-L-lysine which comprises subjecting N<sup>2</sup>-(1(S)-ethoxycarbonyl-3-phenylpropyl)-N<sup>6</sup>-trifluoroacetyl-L-lysine contaminated with impurities to crystallization from a solvent comprising a water-soluble non-protic organic solvent, thereby removing the impurities into the mother liquor and giving crystals of N<sup>2</sup>-(1(S)-ethoxycarbonyl-3-phenylpropyl)-N<sup>6</sup>-trifluoroacetyl-L-lysine, according to which N<sup>2</sup>-(1(S)-ethoxycarbonyl-3-phenylpropyl)-N<sup>6</sup>-trifluoroacetyl-L-lysine having a high quality can be obtained in a high yield and a high productivity and which is suitable for practice on an industrial scale.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 354/KOL-NP/2003 A

(22) Date of filing of : 25/03/2003  
application

(54) Title of the Invention : "INFORMATION RECORDING APPARATUS, INFORMATION REPRODUCING APPARATUS, INFORMATION RECORDING METHOD, INFORMATION REPRODUCING METHOD, RECORDING MEDIUM, INFORMATION RECORDING MEDIUM IN WHICH RECORDING CONTROL PROGRAM IS STORED, INFORMATION RECORDING MEDIUM IN WHICH REPRODUCING CONTROL PROGRAM IS STORED, RECORDING CONTROL PROGRAM AND REPRODUCING CONTROL PROGRAM"

(51) International classification : G11B 20/00

(30) Priority Data :

(31) Document No. 2000-308490 & 2001-290123

(32) Date : 06/10/2000 & 21/09/2001

(33) Name of convention country : JP

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

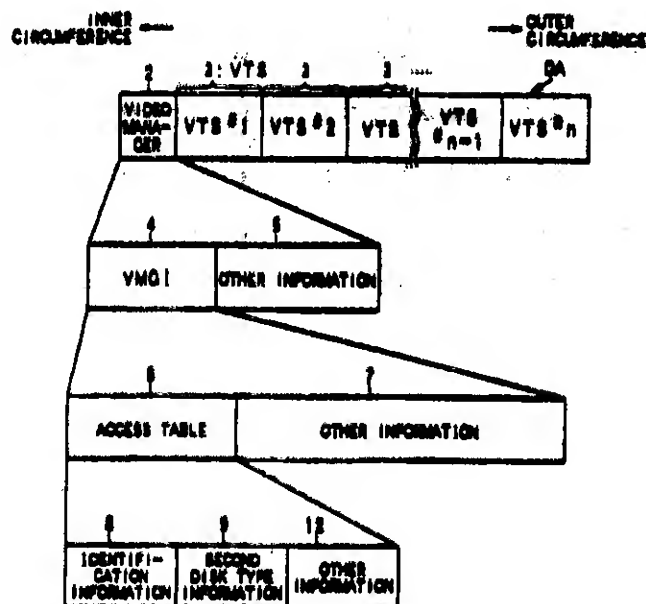
(64) Filed on : NA

(71) Name of the Applicant : PIONEER CORPORATION, OF 4-1 MEGURO 1-CHOME, MEGURO-KU, TOKYO 153-8654, JAPAN.

(72) Name of the Inventors :

1. TAKAO SAWABE,
2. YUKIYOSHI, HARAGUCHI,
3. TAKEO TOBE,
4. KAZUTAKA MITSUKI,
5. HIROYUKI KIRIKAWA,
6. MASANORI NAKAHARA

(57) Abstract : A system controller is provided so as to record the second disk type information having the same content as that of the first disk type information, which is recorded in a DVD-R in advance, in a DVD-R in which the first disk type information is recorded as well as to record the record information in the DVD-R and reproduce the record information only if the first disk type information and the second disk type information have the same contents each other upon reproducing the record information.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 356/KOL-NP/2003 A

(22) Date of filing of : 26/03/2003  
application

(54) Title of the Invention : "NOVEL GAMES, METHODS AND APPARATUS FOR PLAY IN GAMES OF CHANCE"

(51) International classification : A63B 71/00

(30) Priority Data :

(31) Document No. 09/672,179 & 09/965,620

(32) Date : 27/09/2000 & 26/09/2001

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

(64) Filed on : NA

(71) Name of the Applicant : MILESTONE ENTERTAINMENT LLC., OF 615 WALDEN DRIVE, BEVERLY HILLS, CA 90210, U.S.A.

(72) Name of the Inventors :

1. KATZ, RANDALL M.,

2. DAWSON, GARY.

(57) Abstract :

The inventions herein relate to novel games of chance and apparatus and methods of play. A multi-level game of chance is played by presenting the player with multiple options, at least one negative and one positive. Each player selects one of four boxes (14), two of which have monetary amounts (18), and one a strike (220). Optionally, the fourth box may comprise a 'mystery box' (which the player may elect to open or not) that requires a decision within a decision. If they open it, multiple options are presented. In studio participation, casino based play or play via an electronic network is contemplated. In another embodiment, a series of random numbers are drawn and a win determined based upon predefined rules. In yet another embodiment, an ancillary game is performed using the substantially real time determination of the number of remaining players.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 357/KOL-NP/2003 A

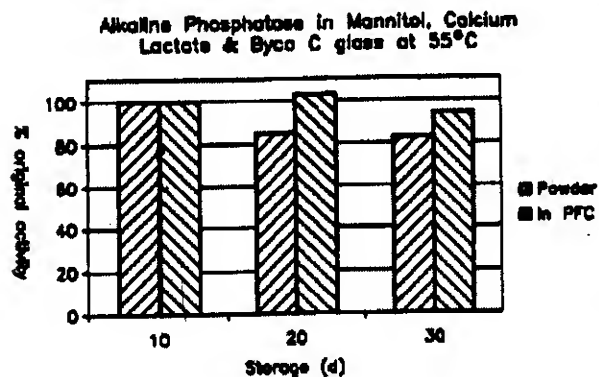
(22) Date of filing of : 26/03/2003  
application

(54) Title of the Invention : "COMPOSITION AND METHOD FOR STABLE INJECTABLE LIQUIDS"

<p>(51) International classification : A61K 9/16, 9/10, 9/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.</p> <p>(32) Date :</p> <p>(33) Name of convention country :</p> <p>(66) Filed U/s 5(2) :NIL</p> <p>(61) Patent of addition to application No. NA</p> <p>(62) Filed on :NA</p> <p>(63) Divisional to Application No. :NIL</p> <p>(64) Filed on :NA</p>	<p>(71) Name of the Applicant : CAMBRIDGE BIOSTABILITY LTD., OF 52 BISHOPS COURT, CAMBRIDGE CB2 2NN, GREAT BRITAIN.</p> <p>(72) Name of the Inventors : 1. ROSER, BRUCE JOSEPH, 2. GRACIA DE CASTRO ARCADIO, 3. MAKI, JAMES</p>
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(57) Abstract :

A composition for delivering a stable, bioactive compound to a subject comprising a first component and a second component, the first component comprises micro particles of sugar glass or a phosphate glass containing the bioactive agent. The sugar glass or phosphate glass optionally includes a glass formation facilitator compound, and the second component comprises at least one biocompatible liquid per fluorocarbon in which the first component is insoluble and dispersed. The liquid per fluorocarbon optionally includes a surfactant.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

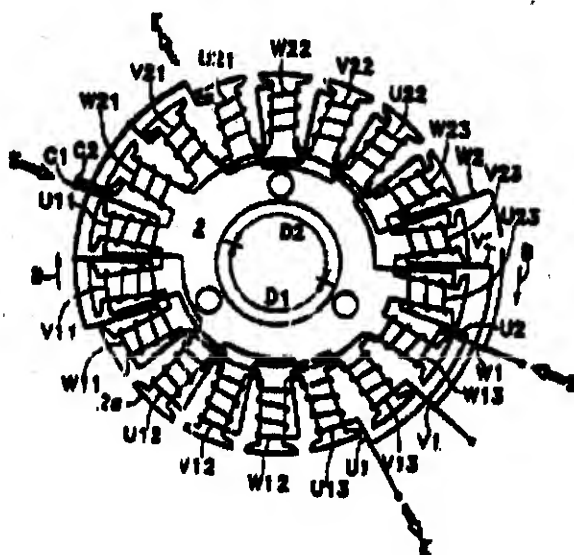
(21) Application No. 358/KOL-NP/2003 A

(22) Date of filing of : 26/03/2003  
application

(54) Title of the Invention : "COIL WINDING ARRANGEMENT FOR ARMATURES"

<p>(51) International classification : H02K  (30) Priority Data :  (31) Document No. 2000-390164  (32) Date : 22/12/2000  (33) Name of convention country : JAPAN  (66) Filed U/s 5(2) :NIL  (61) Patent of addition to application No. NA  (62) Filed on :NA  (63) Divisional to Application No. :NIL  (64) Filed on :NA</p>	<p>(71) Name of the Applicant : MITSUBA CORPORATION, OF 2681 HIROSAWACHO 1-CHOME, KIRYU-SHI, GUNMA 376-8555, JAPAN.   (72) Name of the Inventors : WATANABE TOSHIYUKI</p>
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(57) Abstract : In a coil winding arrangement for armatures formed by winding coil wire around a plurality of core teeth provided in a core of an armature for a multi-phase electric motor or generator, two sets of coils are wound around different core teeth for each phase, and are connected in parallel to each other. Thus, each core tooth is required to have only one coil wound around it so that the excessive fattening of the coils or the need for increasing the radial length of each core tooth can be avoided. By appropriately selecting the winding direction and indexing direction, the coil winding process can be simplified without creating any problem in the handling of the lead wires of coil end.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 360/KOL-NP/2003 A (22) Date of filing of : 27/03/2003 application  
(54) Title of the Invention : "A PROCESS FOR CRACKING AN OLEFIN-RICH HYDROCARBON FEEDSTOCK"

<p>(51) International classification : C10G 11/16 (30) Priority Data : (31) Document No. 00 121 727.2 (32) Date : 05/10/2000 (33) Name of convention country : BELGIUM (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : ATOFINA RESEARCH, OF SOCIETE ANONYME, ZONE INDUSTRIELLE C, B-7181 SENEFE, BELGIUM. (72) Name of the Inventors : 1. DATH, JEAN-PIERRE, 2. VERMEIREN, WALTER.</p>
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## (57) Abstract :

A process for cracking an olefin-containing hydrocarbon feedstock which is selective towards light olefins in the effluent, the process comprising passing a hydrocarbon feedstock containing one or more olefins through a moving bed reactor containing a crystalline silicate catalyst selected from an MFI -type crystalline silicate having a silicon/aluminium atomic ratio of at least 180 and an MEL-type crystalline silicate having a silicon/aluminium atomic ratio of from 150 to 800 which has been subjected to a steaming step, at an inlet temperature of from 500 to 600 DEG C, at an olefin partial pressure of from 0.1 to 2 bars and the feedstock being passed over the catalyst at an LHSV of from 5 to 30 h<sup>-1</sup> to produce an effluent with an olefin content of lower molecular weight than that of the feedstock, intermittently removing a first fraction of the catalyst from the moving bed reactor, regenerating the first fraction of the catalyst in a regenerator and intermittently feeding into the moving bed reactor a second fraction of the catalyst which has been regenerated in the regenerator, the catalyst regeneration rate being controlled whereby the propylene purity is maintained constant at a value corresponding to the average value observed in a fixed bed reactor using the same feedstock, catalyst and cracking conditions, for example at least 94 wt%.

**Publication After 18 months.**

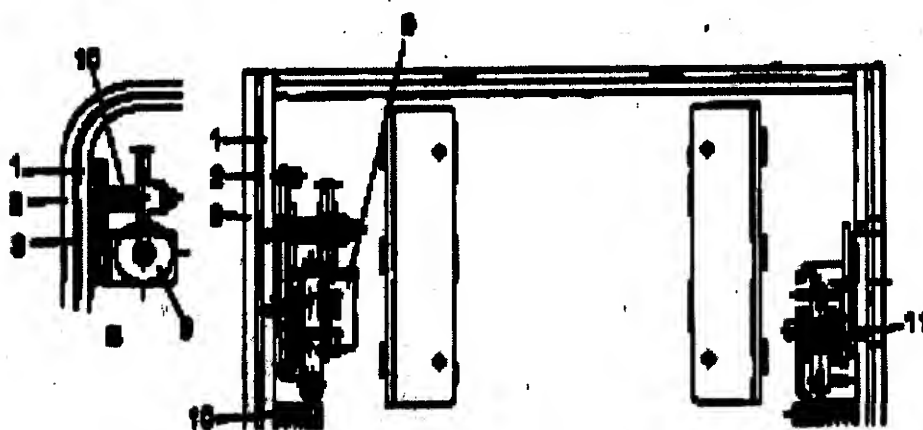
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 361/KOL-NP/2003 A (22) Date of filing of : 27/03/2003  
application  
(54) Title of the Invention : "SAFETY MONEY BOX FOR PUBLIC TELEPHONES"

(51) International classification : G07F 9/06	(71) Name of the Applicant : SIEMENS
(30) Priority Data :	S.A., OF ORENSE, 2 PLANTA 11, 28020
(31) Document No. P200002325	MADRID, SPAIN.
(32) Date : 26/09/2000	(72) Name of the Inventors :
(33) Name of convention country : SPAIN	MARTIN GOMEZ, DAMASO
(66) Filed U/s 5(2) : NIL	
(61) Patent of addition to application No. NA	
(62) Filed on : NA	
(63) Divisional to Application No. : NIL	
(64) Filed on : NA	

**(57) Abstract :**

The body of the money box consists of two chests, an inner (1) and an outer chest (2), a cavity (3) being located between said chests to place any means deemed convenient to prevent perforation of the wall of the money box, e.g. strips, rods, balls, bars, abrasive elements among others. The access door (8) to the money box has an opening system comprising two mechanisms, an outer mechanism consisting of a ball lock (4) actuating a set of bolts (7) and a fully internal mechanism (9) that blocks the bolts (7) and that is embodied as an electrical mechanism preferably actuated by validation of an access code.



Publication After 18 months.

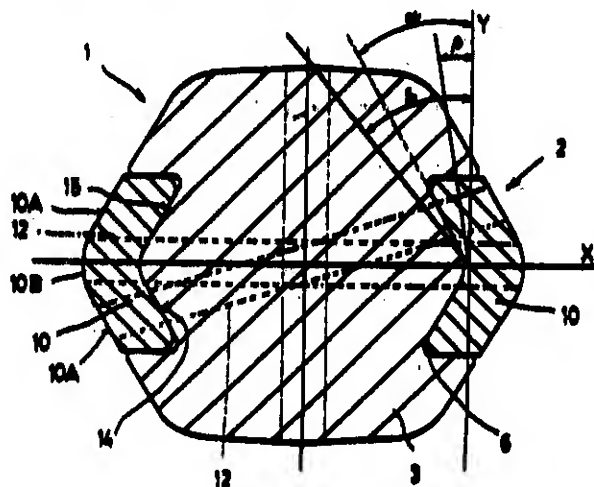
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 363/KOL-NP/2003 A (22) Date of filing of : 27/03/2003  
application  
(54) Title of the Invention : "ENGAGEMENT SYSTEM FOR DIGGER TEETH"

(51) International classification : E02F 9/28 (30) Priority Data : (31) Document No. P200002454 (32) Date : 03/10/2000 (33) Name of convention country : SPAIN (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA	(71) Name of the Applicant : METALOGENIA S.A., OF CTRA. N-II, KM. 636,6, E-08330 PREMIA DE MAR, SPAIN. (72) Name of the Inventors : 1. MORALES LAGUARDA LLUIS, 2. VALLVE I BERTRAN NIL, 3. PALLAS MORENO JORGE, 4. SANCHEZ GUIADO FERMIN.
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## (57) Abstract :

This engagement system for digger teeth, in particular a tooth from which there extend in the axial direction two rectilinear lugs which, being noticeably parallel to one another, emerge cantilevered from the mouth of a central housing and complement respective rectilinear, open recesses which are provided, also in the axial direction, on an adapter member, consisting in that the straight section of each of the rectilinear lugs of the tooth member, which is concave in one part and substantially complements the convex profile of the back of the rectilinear recesses of the adapter, has two end sections which meet in a convergent fashion on an intermediate section differentiated from the afore-mentioned sections and impinge thereon at a angle of between approximately 10° and 40°.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 365/KOL-NP/2003 A

(22) Date of filing of : 28/03/2003  
application

(54) Title of the Invention : "SLAG CEMENT"

(51) International classification : C04B 7/00	(71) Name of the Applicant : KO, SUZ-CHUNG, SWITZERLAND, UNTERER HALDENWEG 21A, CH-5600 LENZBURG, TAIWAN CITIZEN.
(30) Priority Data :	
(31) Document No. GM 741/2000	
(32) Date : 05/10/2000	
(33) Name of convention country : AT	
(66) Filed U/s 5(2) :NIL	(72) Name of the Inventors :
(61) Patent of addition to application No. NA	KO, SUZ-CHUNG
(62) Filed on :NA	
(63) Divisional to Application No. :NIL	
(64) Filed on :NA	

(57) Abstract : A slag cement having an improved early strength and containing aluminosilicates, blast furnace slag, clinker and  $\text{CaSO}_4$ , has a content of 70 to 95% by weight of blast furnace slag used in the ground form at  $>4,500$  Blaine ( $\text{cm}^2/\text{g}$ ) with no more half of this portion being substitutable by aluminosilicates such as fly ash, alumina, marl or the like, 0.1 to 2% by weight of clinker, sulfate in amounts of below 5% by weight, calculated as  $\text{SO}_3$ , and 0.3 to 1% by weight of a superliquisfier such as, e.g., naphthalene sulfonate.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 366/KOL-NP/2003 A

(22) Date of filing of : 28/03/2003  
application

(54) Title of the Invention : "SLAG CEMENT"

<p>(51) International classification : B01J 23/63, C07C 11/02 (30) Priority Data : (31) Document No. 00124994.0 (32) Date : 29/09/2000 (33) Name of convention country : CN (66) Filed U/s 5(2) : NIL (61) Patent of addition to application No. NA (62) Filed on : NA (63) Divisional to Application No. : NIL (64) Filed on : NA</p>	<p>(71) Name of the Applicant : 1. CHINA PETROLEUM &amp; CHEMICAL CORPORATION, OF NO. 6A HUIXIN EAST STREET, CHAOYANG DISTRICT, BEIJING 100029, CHINA AND 2. BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM &amp; CHEMICAL CORPORATION, NO. 14, BEISANHUAN EAST ROAD, CHAOYANG DISTRICT, BEIJING 100013, CHINA.</p> <p>(72) Name of the Inventors : 1. DAI WEI, 2. ZHU JING, 3. PENG HUI, 4. GUO YANLAI, 5. MU WEI, 6. LI HELONG, 7. CUI QINGZHOU.</p>
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(57) Abstract : This invention relates to a selective hydrogenation catalyst for the selective hydrogenation of unsaturated hydrocarbons, a process for preparing this catalyst and its use. The catalyst of the invention comprised supporter, active component Pd, rare earthy metals, and auxiliary metal Bi, Ag etc. The catalyst is able to hydrogenate high-unsaturated hydrocarbons such as alkyne with high selectivity at high space velocity while both green oil formation and carbon deposition on catalyst are very low, and it is very applicable to industrial cracking process.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 367/KOL-NP/2003 A

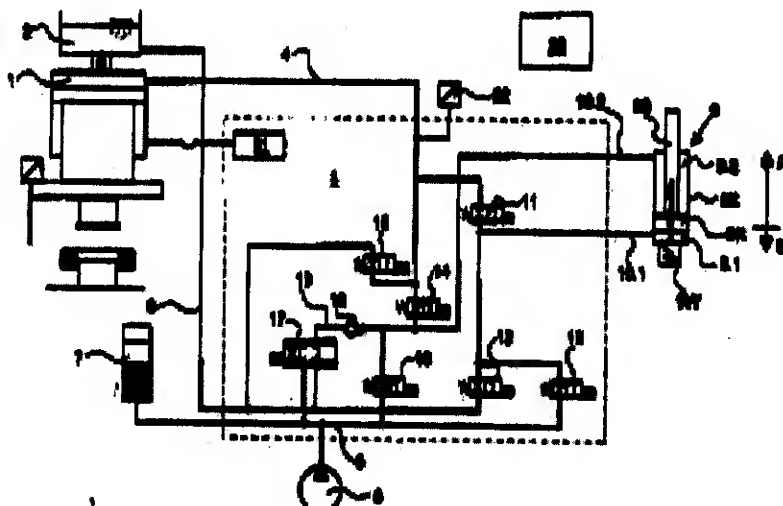
(22) Date of filing of : 28/03/2003  
application

(54) Title of the Invention : "CONTROLLER FOR A HYDRAULIC PRESS AND METHOD FOR THE OPERATION THEREOF"

<p>(51) International classification : B30B 15/16, 15/22, F15B 3/00, 1/02, 21/14</p> <p>(30) Priority Data :</p> <p>(31) Document No. 1826/00</p> <p>(32) Date : 20/09/2000</p> <p>(33) Name of convention country : SWITZERLAND</p> <p>(66) Filed U/s 5(2) : NIL</p> <p>(61) Patent of addition to application No. NA</p> <p>(62) Filed on : NA</p> <p>(63) Divisional to Application No. : NIL</p> <p>(64) Filed on : NA</p>	<p>(71) Name of the Applicant : LAEIS BUCHER GMBH, OF SCHIFFSTRASSE 3, 54293 TRIER, GERMANY.</p> <p>(72) Name of the Inventors : 1. HAHN MATTHIAS, 2. MOHN ARNO.</p>
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(57) Abstract :

The invention relates to a controller for a hydraulic press, comprising a pressing cylinder (1), a reservoir (2), a valve group (3), a pressure medium reservoir (7) and a hydraulic pump (8), connected together by means of a cylinder line (4), a reservoir line (5) and a tank line (6). According to the invention, a pressure converter (9) is arranged on the valve group (3), which may operate as a pressure amplifier or pressure reducer. The particular mode of action of said controller is achieved whereby the valve group (3) comprises a pre-press valve (11), a low-pressure chamber outlet valve (12), a low-pressure chamber inlet valve (13), a main press valve (14), a closing valve (15), a pressure release valve (16) and a 3-way valve (17), which may be operated by a particular control sequence. Said invention is applicable in hydraulic presses and of particular advantage in presses for the forming of ceramic plates such as tiles.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 368/KOL-NP/2003 A

(22) Date of filing of : 31/03/2003  
application

(54) Title of the Invention : "AUTOMATED LOAN PROCESSING SYSTEM AND METHOD"

(51) International classification : G06F

(30) Priority Data :

(31) Document No. 60/237,165

(32) Date : 02/10/2000

(33) Name of convention country : U.S.A

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

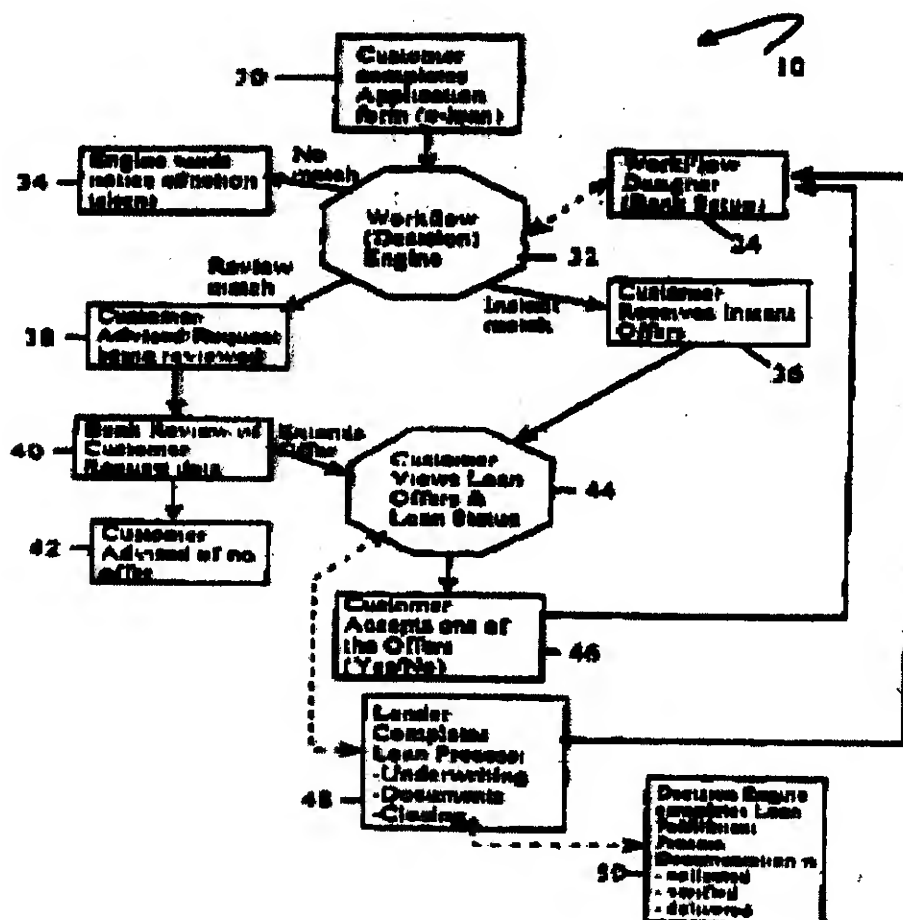
(71) Name of the Applicant :

**INTERNATIONAL PROJECTS  
CONSULTANCY SERVICES, INC., OF  
1595 INTERCHANGE TOWER, 600  
SOUTH HIGHWAY 169, MINNEAPOLIS,  
MN 55426, U.S.A.**

(72) Name of the Inventors :

**1. HAHN MATTHIAS,  
2. MOHN ARNO.**

(57) Abstract :



368/KOL-NP/2003A

A workflow engine for rendering instant credit decisions includes a workflow designer (24), a web site interface, a database, checklists created by the workflow designer and associated with at least one loan offering, and a messaging system for brokering messages between a consumer and a lender. The workflow engine accepts web-based loan applications, processes the loan applications programmatically (38), and renders a loan decision within seconds. The workflow engine uses checklists to evaluate loan applications (98). Each checklist is associated with one loan offering and one lender. Multiple lenders offer multiple loan offerings through the system to compete for consumer/borrowers. The system evaluates loan applications and renders a programmatic loan decision without human intervention (100), subject to verification of the application data.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 369/KOL-NP/2003 A

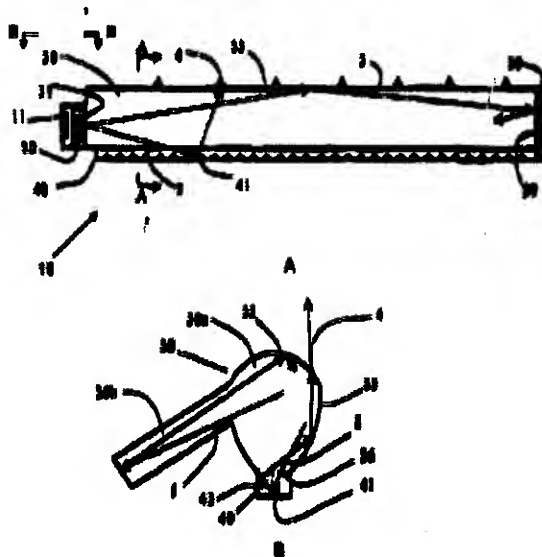
(22) Date of filing of : 31/03/2003  
application

(54) Title of the Invention : "HYDROCARBON GAS PROCESSING"

<p>(51) International classification : F25J 3/02  (30) Priority Data :  (31) Document No. 09/677,220  (32) Date : 02/10/2000  (33) Name of convention country : U.S.A  (66) Filed U/s 5(2) :NIL  (61) Patent of addition to application No. NA  (62) Filed on :NA  (63) Divisional to Application No. :NIL  (64) Filed on :NA</p>	<p>(71) Name of the Applicant : ELKCORP,  OF WELLINGTON CENTRE, SUITE 1000,  14643 DALLAS PARKWAY, DALLAS, TX  75240-8871 U.S.A.    (72) Name of the Inventors :  1. WILKINSON, JOHN, D.,  2. HUDSON, HANK, M.,  3. PIERCE, MICHAEL, C.</p>
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(57) Abstract :

An illumination device (10) to provide a uniform, highly concentrated and substantially longitudinal illumination. The illumination device (10) includes, a light guide (30) and a light-extracting section (40) with a built-in light-extracting feature (41), and a constant cross-section area with a profile optimized for an integral light-concentrating optics. A second light guide having a varying cross-section area for controlling local light flux density inside the illumination device and providing assembly means. A light-homogenizing (20) section provided at a light input end (31) of the light guide (30) improves illumination uniformity at an area close to a light input end (31) of the light guide (30) without displacing a light source (11) from the central normal line of a light-extracting feature (41). The extracted light from the light-extracting feature forms an effective light-emitting object with a constant width for the integral light-concentrating optics and therefore, the width of the light-extracting feature can be modulated to improve illumination uniformity.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 376/KOL-NP/2003 A

(22) Date of filing of : 31/03/2003  
application

(54) Title of the Invention : "MULTIPLEXING UNIT, SYSTEM AND PROCESS FOR COMMUNICATION IN A COMPUTER NETWORK"

(51) International classification : H04L  
29/06, G06F 17/30

(30) Priority Data :

(31) Document No. 00/12829

(32) Date : 02/10/2000

(33) Name of convention country : FR

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

(64) Filed on : NA

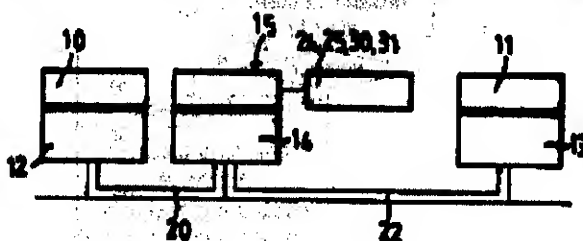
(71) Name of the Applicant : AMADEUS  
S.A.S., FRANCE, 405 ROUTE DU PIN  
MONTARD, SOPHIA ANTIPOLIS, F-06410  
BIOT, A FRENCH COMPANY.

(72) Name of the Inventors :

1. DOR, PIERRE,
2. GRANDMANGE, ALEXIS,
3. LEXTRAIT, VINCENT,
4. MARQUION, VERONIQUE,
5. WEISSERT, FRANCOIS.

(57) Abstract :

The invention concerns a multiplexing unit, a system and a method for communication in a computer network between a plurality of client machines supporting client programmes and one or several servers supporting application programmes, although said client and application programmes may be incompatible. The invention uses input and output management modules assigned to the client machines and to the servers. It performs conversion operations and routing operations, which are carried out so as to optimise the operation of the servers. It ensures communication between applications having incompatible formats or transfer protocols and this by means of a flexible technique with characteristics of modularity and upgradability. The invention is applicable in particular to computerised reservation systems for example in the field of travels and transport.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 371/KOL-NP/2003 A

(22) Date of filing of : 31/03/2003  
application

(54) Title of the Invention : "MONITORING SYSTEM FOR AUTOMATIC CHARGING APPARATUS FOR VEHICLE"

(51) International classification : G07B 15/00

(30) Priority Data :

(31) Document No. 2000-299552

(32) Date : 29/09/2000

(33) Name of convention country : JP

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

(64) Filed on : NA

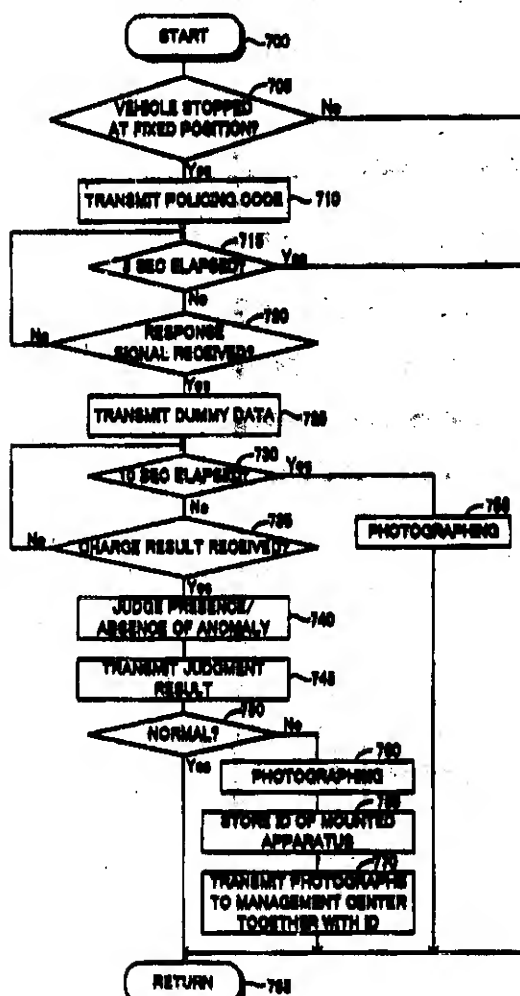
(71) Name of the Applicant : AISIN SEIKI KABUSHIKI KAISHA, OF 1, ASAHI-MACHI 2-CHOME, KARIYA-SHI, AICHI 448 8650 JAPAN AND TOYOTO JIDOSHA KABUSHIKI KAISHA, OF 1, TOYOTA-CHO, TOYOTA-SHI, AICHI 471 8571, JAPAN.

(72) Name of the Inventors :

1. AOKI YASUYUKI,

2. KAKIHARA MASAKI.

(57) Abstract :



371/KOL-NP/2003 A

When a monitor apparatus judges that a vehicle has stopped at a predetermined position (step 705), the monitor apparatus transmits pseudo position information of the vehicle (dummy data) to an automatic charging apparatus (step 725). The automatic charging apparatus calculates a charge amount on the basis of the dummy data, and transmits the result of the calculation to the monitor apparatus. The monitor apparatus receives the result (step 735) and judges on the basis of the result whether the automatic charging apparatus is in an anomalous state (step 740). Since the above-described successive operations are performed only when the vehicle stays, the status of another automatic charging apparatus not monitored is not misidentified as the status of an automatic charging apparatus to be monitored.

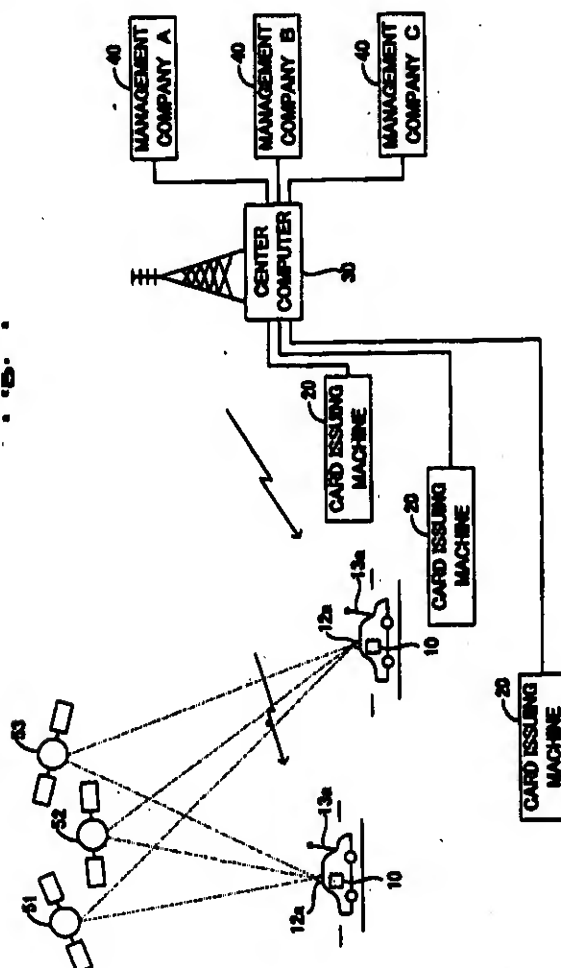
Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 372/KOL-NP/2003 A (22) Date of filing of : 31/03/2003 application  
(54) Title of the Invention : "MONITORING SYSTEM FOR AUTOMATIC CHARGING APPARATUS FOR VEHICLE"

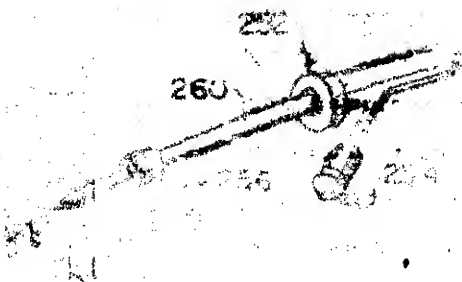
<p>(51) International classification : G07B 15/00, G06F 17/60, 17/00, G06K 19/00 (30) Priority Data : (31) Document No. 2000-299978 (32) Date : 29/09/2000 (33) Name of convention country : JP (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : AISIN SEIKI KABUSHIKI KAISHA, OF 1, ASAHI-MACHI 2-CHOME, KARIYA-SHI, AICHI 448 8650 JAPAN AND TOYOTO JIDOSHA KABUSHIKI KAISHA, OF 1, TOYOTA-CHO, TOYOTA-SHI, AICHI 471 8571, JAPAN.  (72) Name of the Inventors : 1. AOKI YASUYUKI, 2. KAKIHARA MASAKI.</p>
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## (57) Abstract :



372/KOL-NF/2003 A

An on-vehicle automatic charging apparatus 10 obtains its own position information from GPS signals from GPS satellites 51 to 53, determines on the basis of the position information whether conditions for charging are satisfied, and subtracts a calculated charge amount from an inserted prepaid card, when the conditions for charging are satisfied. At this time, information used for calculation of the charge amount is written into the prepaid card as a charge record. When the prepaid card is inserted into a card issuing machine 20 in order to increase the balance, the card issuing machine 20 reads the written charge record and transmits it to a center computer 30. The center computer 30 distributes the charge amount to management companies on the basis of the charge record.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 373/KOL-NP/2003 A

(22) Date of filing of : 31/03/2003  
application

(54) Title of the Invention : "DIRECT-ACTING ELECTRIC OPERATED VALVE"

(51) International classification : F16K 31/04, 11/044

(30) Priority Data :

(31) Document No. 2000-288045

(32) Date : 22/09/2000

(33) Name of convention country : JAPAN

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

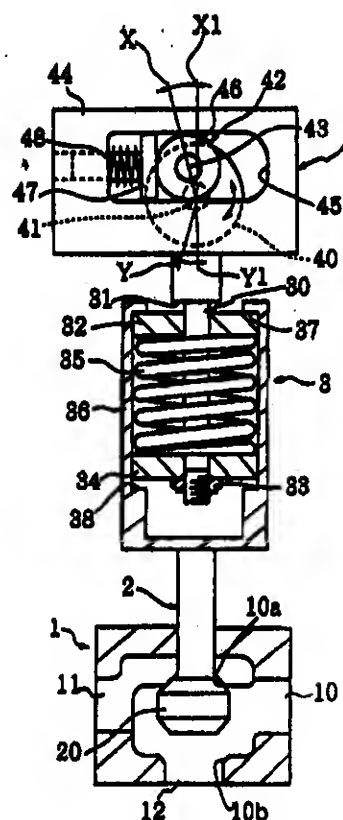
(71) Name of the Applicant : ICHIMARU  
GIKEN CO. LTD., OF 601 OOAZA  
TUNEMOCHI, CHIKUGO-SHI,  
FUKUOKA, JAPAN.

(72) Name of the Inventors :  
ICHIMARU HIRONOBU

(57) Abstract :

A direct-acting electric operated valve has a stem which reciprocates by an electric motor without using air pressure.

In this direct-acting electric operated valve, as the stem 2 vertically reciprocates, a first passage 11 and a second passage 12 are switched over. A cam mechanism 4 is formed for converting rotary reciprocating motion of an eccentric cam 42 which rotary reciprocates by an electric motor 40 into vertical reciprocating motion. The eccentric cam is retained at an upper retaining position X which is slightly exceeding a top dead center X1 and at a lower retaining position Y which is slightly exceeding a bottom dead center Y1. In a state in which an integral coil spring 35 which is previously held between an upper spring seat 32 and a lower spring seat 34 in its compressed state is mounted to a spring shaft 30 which extends from a cam mechanism, the coil spring 35 is accommodated in a spring case 36 connected to the stem.



## ALTERATION OF DATE UNDER SECTION 16

194277 (642/MAS/2000) ANTEDATED TO 09-08-1994.

## अभिगृहित पूर्ण विनिर्देश

एतद् द्वारा सूचना दी जाती है कि आवेदनों में किसी पर पेटेंट अनुदान का विरोध करने वाले इच्छुक व्यक्ति राजपत्र के इस निर्गमन की तिथि से चार महीने के भीतर या उक्त चार महीने की समाप्ति के पूर्व, प्ररूप 4 में यदि आवेदित किया हुआ हो, तो परवर्ती एक महीने के भीतर, किसी समय, नियंत्रक, पेटेंट को ऐसे विरोध की सूचना प्ररूप 7 में उपयुक्त कार्यालय में दे सकते हैं। विरोध का लिखित कथन साक्ष्य के साथ, यदि कोई हो, दो प्रतियों में उक्त सूचना के साथ या अगले दो महीने की अवधि के भीतर दाखिल किया जाए। इस संदर्भ में, यथा संशोधित पेटेंट अधिनियम, 1970 की धारा 25 एवं पेटेंट नियम, 2003 के नियम 55 से 57 का अवलोकन किया जा सकता है।

उपयुक्त कार्यालय द्वारा विनिर्देश एवं चित्र आरेख, यदि हो, के छायाप्रति की आपूर्ति छायाप्रति शुल्क के रूप में प्रति पृष्ठ रु. 4/- की अदायगी पर की जा सकती है।

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a Patent on any of the Applications, may, at any time within four months from the date of this issue of Gazette or within further period of one month if applied for in Form 4 before the expiry of the said period of four months, give notice to the Controller of Patents at the Appropriate Office on Form 7 of such opposition. The Written Statement of Opposition accompanied by evidence, if any, should be filed in duplicate along with the said notice or within further period of two months. Section 25 of The Patents Act, 1970 as amended and Rules 55 to 57 of The Patents Rules, 2003 may be referred to in this regard.

Photo copies of the specification and drawings, if any, can be supplied by the Appropriate Office on payment of photocopying charges @ Rs. 4/- per page.

Ind.Cl.:29A

194261

Int.Cl<sup>7</sup>: G06/F - 13/42

**" AN APPARATUS FOR TRANSFERRING DATA BETWEEN FIRST AND SECOND BUSES"**

**Applicant:** SAMSUNG ELECTRONICS CO. LTD.,  
A KOREAN COMPANY,  
416 MAETAN DONG, PALDAL - GU,  
SUWON CITY, KYUNGI - DO,  
REPUBLIC OF KOREA

**Inventors:** 1. L. RANDALL MOTE JR.

Application No 990/MAS/1996 filed on 07th June 1996

Convention No.08/483, 505 on, 07th June 1995 in USSN

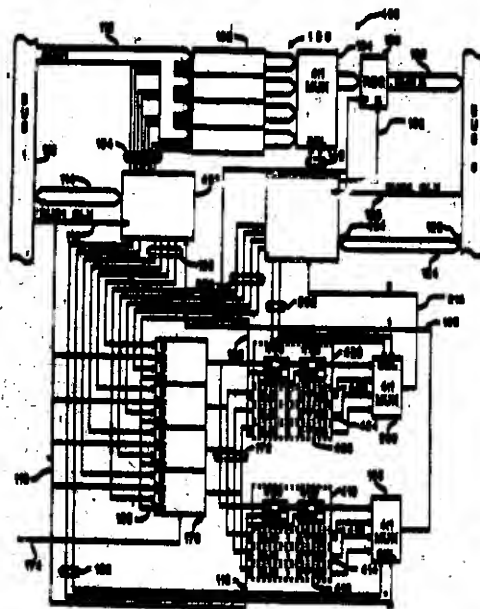
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Chennai Branch.

**06 Claims**

1. An apparatus for transferring data between a first bus (110) and a second bus (120) which operate asynchronously with respect to each other, wherein the first bus (110) provides data in synchronism with a first bus clock (BUS1 CLK on line 116) and wherein the second bus (120) receives data in synchronism with a second bus clock (BUS2 CLK on line 126), the apparatus comprising: a data buffer (132) comprising at least a first buffer location (DATABUF 0) and a second buffer location (DATABUF 1) into which data from the first bus (110) are stored in synchronism with the first bus clock (BUS 1 CLK); at least a first data valid indicator (FLAG0) and a second data valid indicator (FLAG1) associated respectively with the first buffer location and the second buffer location (DATABUF 1), the first data valid indicator (FLAG0) being set synchronously with the first bus clock (BUS1 CLK) when data are stored in the first buffer location (DATABUF 0), the second data valid indicator (FLAG1) being set

synchronously with the first bus clock (BUS1 CLK) when data are stored in the second buffer location (DATABUF 1); a first synchronization circuit (430) which receives the first data valid indicator (FLAG0) and synchronizes it with the second bus clock (BUS2 CLK) to provide a first synchronized data valid indicator (output of 430); a second synchronization circuit (432) which receives the second data valid indicator (FLAG1) and synchronizes it with the second bus clock (BUS2 CLK) to provide a second synchronized data valid indicator (output of 432); a data valid indicator selector (200) which selects one of the first synchronized data valid indicator (output of 430) and the second synchronized data valid indicator (output of 432) as an output data valid indicator (DATA VALID 2 on line 216); and a first bus state machine (BUS2 INTERFACE STATE MACHINE 404) operating synchronously with the second bus clock (BUS2 CLK) which transfers data from

the data buffer (132) to the second bus (120), the first bus state machine (404) comprising selection circuitry (142, 134) for selecting one of the first buffer location (DATABUF 0) and the second buffer location (DATABUF 1) as a source of data to be transferred to the second bus (120), the first bus state machine (404) comprising selection circuitry (202) for controlling the data valid indicator selector (200) to select a respective one of the first synchronized data valid indicator (output of 430) and the second synchronized data valid indicator (output of 432) as the output data valid indicator (DATA VALID 2), the first bus state machine (404) monitoring the output data valid indicator (DATA VALID 2) to determine when data from the first bus (110) has been stored in the one of the first buffer location (DATABUF 0) and the second buffer location (DATABUF 1).



Comp. Specn. 21 Pages; Drgs 05 Sheets.

Ind.Cl.:136 H

194262

Int.Cl.<sup>7</sup>:B 22 F 5/10, B 22 F 5/08**" A METHOD AND/ AN APPARATUS FOR MANUFACTURING PRESSED POWDER BODY"**

Applicant: HONDA GIKEN KOGYO KABUSHIKI KAISHA,  
A CORPORATION OF JAPAN,  
1 - 1, MINAMI - AOYAMA 2 - CHOME,  
MINATO - KU, TOKYO,  
JAPAN

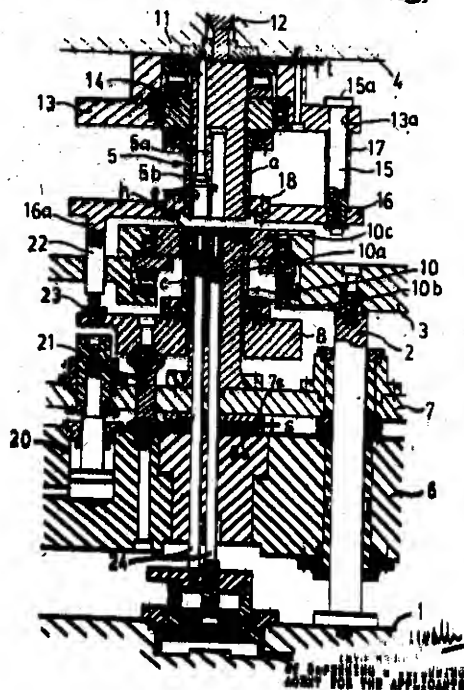
Inventors: 1. SADA O MATSUBARA  
2. NOBORU SUGIURA

Application No:665/MAS/1996 filed on 22nd April 1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

**16 Claims**

A method of manufacturing a pressed powder body (w) having flat, parallel extending, opposed sides by pressing an unpressed powder body of material powder between pressing surfaces of an upper die (5) and a lower die (10), characterized in that an apparatus is used in which the upper and lower dies each comprise a first die member (5a, 10a) and a second die member (5b, 10b) which are able to apply pressure on different regions of the material powder at different times, the method comprising the steps of pressing a first region of the unpressed powder body between said first die members, during which material powder is displaced from the first region to a second region to thereby increase the amount of material powder in that second region; and then pressing said second region of the unpressed powder body between said second die members until a stage where the pressing surfaces of the second die members are flush with the pressing surfaces of the first die members such that the resulting pressed powder body has flat, parallel extending, opposed sides.



Comp.Specn. 31 Pages; Drgs 09 Sheets.

Ind.Cl.:129 J

194263

Int.Cl.<sup>7</sup>:B 21 H 8/00**" A METHOD OF PRODUCING A HOT - ROLLED STAINLESS STEEL STRIP"**

Applicant: AVESTAPOLARIT AKTIEBOLAG (Publ.),  
A SWEDISH COMPANY,  
OF P O BOX 16377,  
103 27 STOCKHOLM,  
SWEDEN.

Inventors: 1. STEN LJUNGARS  
2. CHRISTER HERRE

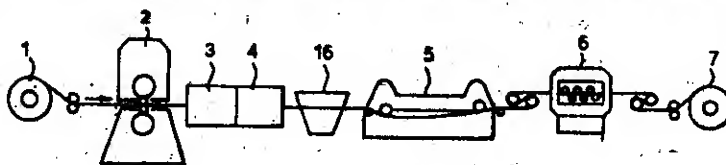
Application No:642/MAS/1996 filed on 17th April 1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

07 Claims

1. A method of producing a hot-rolled stainless steel strip, particularly an austenitic stainless strip, in order to reduce the thickness and enhance the mechanical strength of said strip, characterized by
  - cold-rolling the hot-rolled strip with at least a 10% thickness reduction to a thickness which is at least 2% and at most 10% greater than the intended final thickness of the finished product;
  - annealing the thus cold-rolled strip at a temperature of between 1,050°C and 1,250°C; and
  - cold-stretching the strip after said annealing process so as to plasticize and permanently elongate the strip and therewith reducing its thickness by 2-10%.

Reference to : SE 467055, WO 93/19211



Ind.Cl.:83

194264

Int.Cl.<sup>7</sup>:A 23L1 / 275

" CAROTENOID ENRICHED FEED FOR POULTRY FISH OR CRUSTACEA  
FOR PIGMENTATION"

Applicant: ROCHE VITAMINS AG,  
A SWISS COMPANY  
124 GRENZACHERSTRASSE  
CH-4070 BASLE  
SWITZERLAND

Inventors: 1. JOSEPH SCHIERLE  
2. WOLFGANG STEINBERG  
3. WERNER SIMON

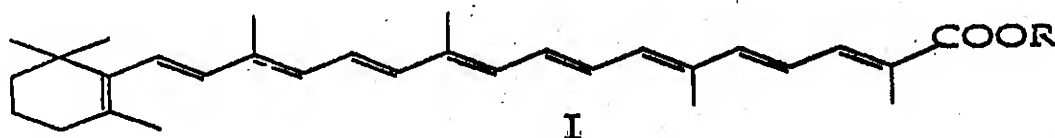
Application No741/MAS/2001 filed on 07/09/2001

Convention No.0119760.7 on, 11/09/2000 in EUROPE

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

### 8 Claims

A carotenoid-enriched feed for poultry, fish or crustacea and intended for the pigmentation of egg yolk, meat, integuments and/or subcutaneous fat of the poultry and the meat and/or integuments of the fish and crustacea, characterized in that it contains as the carotenoid one or more carotenoid esters of the general formula



wherein R signifies methyl, C<sub>3-16</sub>-alkyl, C<sub>3-16</sub>-alkenyl or C<sub>5-8</sub>-cycloalkyl, in an amount from 0.1 ppm to 150 ppm based on the total weight of the carotenoid-enriched feed.

Reference to : EP 630578 B1 EP 718284 B1

Comp.Specn. 30 Pages; Drgs NIL Sheets.



Ind.Cl.:5C

194266

Int.Cl<sup>7</sup>:A01F 12/48

**A CLEANING METHOD FOR A SUGAR-CANE HARVESTING MACHINE  
AND A SUGAR CANE HARVESTING MACHINE**

**Applicant:** CLAAS KGAA  
OF MUNSTERSTRASSE 33,  
D-33428 HARSEWINKEL,  
A GERMAN COMPANY  
GERMANY

**Inventors:** 1. GUNTER LEIGERS  
2. FRANK GROGER  
3. HILLRICH OTTEN

Application No 1770/MAS/97 filed on 7TH AUG 1997

Convention No. 196 32 938.8 on, 16TH AUG 1996 in GERMANY

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

**24. Claims**

A cleaning method for a sugar-cane harvesting machine, in which, by means of a main blower arranged in the lower region of the sugar-cane harvesting machine, a cleaning air stream is produced which runs obliquely and upwards and is directed in the direction of a waste chute, and in which, by means of a second deflection blower, an air stream is guided such that the foreign components to be separated out are directed through a waste chute, characterized in that, in the region of the main blower (16) for the cleaning air stream, a preceding main cleaning air stream is generated which initially runs approximately rising from bottom to top, and in that, by means of a deflection blower (19) which is functionally associated with the main cleaning air stream, via second air stream generated by the latter, the first air stream is turned in the direction of the waste chute (12), so that both air streams are directed towards the waste chute (12).

Comp.Specn. 22 Pages; Drgs 5 Sheets.

Ind.Cl.:28 A; 85 G

194267

Int.Cl<sup>7</sup>:F 23 D 11/44 ; F 23 M 3/04

**" A PROCESS AND AN APPARATUS FOR COMBUSTION OF A MIXTURE  
OF FUEL AND OXIDANT "**

**Applicant: INSTITUTE OF GAS TECHNOLOGY  
A COMPANY INCORPORATED IN THE STATE OF ILLINOIS, USA  
1700 SOUTH MOUNT PROSPECT ROAD  
DES PLAINES, ILLINOIS 60018  
USA**

**Inventors: 1. MARK J KHINKIS  
2. HAMID A ABBASI  
3. ROMAN E GROSMAN**

**Application No:509/MAS/1997 filed on 12/03/1997**

**Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.**

**18 Claims**

**1. A process for combustion of a mixture of fuel and oxidant in which at least a portion of the fuel is preheated and the preheated fuel is mixed with at least a portion of the oxidant required for complete combustion of the fuel to form a mixture which is then ignited, forming a flame, the improvement comprising: forming soot within said flame to produce a luminous flame.**

Ind.Cl.:136 D

194268

Int.Cl<sup>7</sup>:G 01 G 13/24; B29C 31/06 & 31/10

**" AN APPARATUS AND A METHOD FOR METERING TWO OR MORE  
THAN TWO STARTING SUBSTANCES INTENDED FOR PRODUCTS MADE OF  
THERMOPLASTIC"**

**Applicant: WERNER KOCH MASCHINENTECHNIK GmbH,  
A GERMAN COMPANY  
INDUSTRIESTRASSE 3,  
D-75228 ISPRINGEN,  
GERMANY**

**Inventors: 1. WERNER KOCH**

**Application No:448/MAS/1997 filed on 05/03/1997**

**Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.**

### 18 Claims

1. An apparatus for metering two or more than two starting substances intended for products made of thermoplastic from storage containers (23, 24, 25), in batches and in selectable concentrations, into a mixer for mounting onto a plastics-processing machine (1), in particular an injection-molding machine, such that each storage container (23, 24, 25) has an outlet (39) with which is associated a scale (13) with a weighing cell (15, 16) which has an inlet (41) communicating with the outlet of the storage container (23, 24, 25) and which has an outlet (17), blockable by means of a blocking member (18), which communicates with an inlet (22) of the mixer (4) and a control device (44) is provided, on which the selectable concentrations can be set and to which the weighing results are transmitted

from the scales (13) and which, after the selected concentrations have been reached in the respective weighing cells (15, 16), activates their blocking members (18), characterized in that there is additionally provided, between each storage container (23, 24, 25) and the associated weighing cell (15, 16), a volumetrically operating metering device (33, 34) which is linked to the control device (44) in such a way that the control device (44) does not activate the respective blocking member (18) until it has detected the metering of a preselected volume by the volumetrically operating metering device (33, 34) in question.

Comp.Specn. 20 Pages; Drgs 3 Sheets.

Ind.Cl.:61 H

194269

Int.Cl<sup>7</sup>:A 61 F 013/15

**" MATCHED PERMEABILITY LINER/ ABSORBENT STRUCTURE  
SYSTEM FOR ABSORBENT ARTICLES"**

**Applicant:** KIMBERLY CLARK WORLDWIDE INC.,  
A US CORPORATION  
401 NORTH LAKE STREET  
NEENAH, WISCONSIN 54956  
USA

**Inventors:** 1. SUSAN CAROL PAUL  
2. PHILIP ANTHONY SASSE  
3. DAVID GEORGE CROWTHER  
4. ERIC MITCHELL JOHNS

Application No2153/MAS/1996 filed on 03/12/1996

Convention No.60/009171 on, 22/12/1995 in US

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

**11. Claims**

1. A matched permeability liner/absorbent structure system comprising; a liner (12) having a first permeability; a subjacent nonwoven layer (16) having a second permeability; said liner (12) being in liquid communicating contact with said subjacent layer (16); said subjacent layer (16) having a liquid run-off amount; said liner (12) and subjacent layer (16) having a combined liquid run-off amount; characterized in that said combined liquid run-off amount is at least 50% less than said subjacent layer liquid run-off amount, and said first permeability is within the range of 85% and 110% of said second permeability.

Comp.Specn. 36 Pages; Drgs 3 Sheets.

Ind.Cl.:131 B2; 131 B3; 131 B4; 207; 129 C

194270

Int.Cl<sup>7</sup>:B 23 B 51/08; 45/16; B 25 D 16/00**" AN INSERTABLE TOOL FOR ELECTRIC MACHINES "**

Applicant: ROBERT BOSCH GMBH,  
A GERMAN COMPANY  
P.O. BOX 30 02 20  
70442 STUTTGART,  
GERMANY

Inventors: 1. Siegfried FEHRLE                      4. Sven KAGELER  
              2. Rolf MUELLER  
              3. Vinzenz HAERLE

Application No:2114/MAS/1996 filed on 27/11/1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

15 Claims

1. An insertable tool (2) for electric machines, in particular powered hand tools having drilling and/or percussion operation, comprising a tool shank (11) which can be inserted into a respective tool holder (20) of the machine and has means (6, 8) for the rotary driving and for the axial locking, the tool shank (11) having an unweakened round core cross-section (1) which extends up to its end face and on the periphery of which a plurality of longitudinally webs (6) are arranged in a symmetrically distributed manner, which longitudinal webs (6) are used for the power transmission for the rotary driving or the anti-rotation locking and of which at least one has a step (8a) for the axial locking, characterized in that adjacent longitudinal webs (6) are of unequal width and/or in that the adjacent intermediate spaces (16) between the longitudinal webs (6) have a different offset ( $\alpha$ ).

Ind.Cl.:32

194271

Int.Cl<sup>7</sup>:C 08 K 8/50

**" A PROCESS FOR PRODUCING POLY-PROPYLENE (CO) POLYMER  
WITH ENHANCED MELT STRENGTH"**

**Applicant:** AKZO NOBEL N.V.  
A DUTCH COMPANY  
VELPERWEG 76,  
6824 BM ARNHEM  
THE NETHERLANDS

**Inventors:** 1. ANDREAS HERMAN HOGT  
2. BOEN HO O  
3. HANS WESTMIJZE

Application No1921/MAS/1996 filed on 31/10/1996

Convention No.1003406 on, 24/06/1996 in NETHERLANDS

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

22 Claims

A process for producing poly-propylene (co)polymer with enhanced melt strength by mixing the initiator with the polypropylene (co)polymer at a temperature below the decomposition temperature and heating the mixture, with most of the initiator decomposing before the polymer has melted and with the formed radicals reacting with the polymer, wherein the polypropylene (co)polymer is contacted with a dispersion of the initiator in a known polar medium, with at least 90% by weight of the initiator particles being smaller than 50  $\mu\text{m}$  and at least 99% by weight of the initiator particles being smaller than 65  $\mu\text{m}$ .

Ind.Cl.:32 C

194272

Int.Cl<sup>7</sup>:C 08 F 10/00**" A PROCESS FOR POLYMERIZING AN  $\alpha$ -OLEFIN "**

**Applicant:** DOW GLOBAL TECHNOLOGIES INC.,  
A US COMPANY  
WASHINGTON STREET, 1790 BUILDING  
MIDLAND, MICHIGAN 48674  
USA

**Inventors:** 1. PETER N NICKIAS  
2. LEE SPENCER

Application No1883/MAS/1996 filed on 25/10/1996

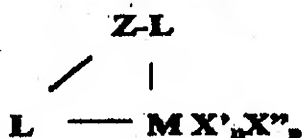
Convention No.60/008,073 on, 27/10/1995 in USA

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

**9 Claims**

**A process for polymerizing an  $\alpha$ -olefin, comprising contacting an  $\alpha$ -olefin or a mixture of  $\alpha$ -olefins at a temperature from 0 to 250°C and a pressure from 0.1 to 100 MPa with a supported catalyst composition comprising:**

**(1) a metal complex corresponding to the formula:**



**or a dimer, solvated adduct, chelated derivative or mixture thereof,**  
**wherein:**

**L independently each occurrence is a group that is bound to M via a delocalized,  $\pi$ -bond, said L containing up to 50 nonhydrogen atoms;**  
**M is a metal of Group 3, 4 or the Lanthanide series of the Periodic Table of the Elements;**

Z is a covalently bound, divalent substituent of up to 50 non-hydrogen atoms having the formula,  $-(ER^*)_m-$ , wherein E independently each occurrence is carbon, silicon or germanium,  $R^*$  independently each occurrence is selected from the group consisting of  $C_{1-20}$  hydrocarbyl, and  $C_{1-20}$  hydrocarbyloxy, with the proviso that in at least one occurrence  $R^*$  is  $C_{1-20}$  hydrocarbyloxy, and m is an integer from 1 to 3;  $X'$  is a neutral Lewis base ligand having up to 20 non-hydrogen atoms;  $X''$  independently each occurrence is a monovalent, anionic moiety selected from hydride, halo, hydrocarbyl, silyl, germynyl, hydrocarbyloxy, amide, siloxy, halohydrocarbyl, halosilyl, silylhydrocarbyl, and aminohydrocarbyl having up to 20 non-hydrogen atoms, or two  $X''$  groups together form a divalent hydrocarbadiyl or neutral hydrocarbon group;

n is a number from 0 to 3; and

p is an integer from 0 to 2

- (2) an activating cocatalyst, and
- (3) an aluminum or silicon containing substrate containing hydroxyl,  $-(Si-R)=$ , or  $-(Si-Cl)=$  functionally wherein R is  $C_{1-10}$  hydrocarbyl, with the proviso that the surface hydroxyl content of a hydroxyl functionalized substrate is less than 0.8 mmol/g; or an aluminum or silicon containing substrate that has been treated with an aluminum component selected from the group consisting of alumoxane and aluminum compounds of the formula  $AlR^1_xR^2_y$ , wherein  $R^1$  independently each occurrence is hydride or R,  $R^2$  is hydride, R or OR,  $x'$  is 2 or 3,  $y'$  is 0 or 1 and the sum of  $x'$  and  $y'$  is three, said complex being chemically bound to the substrate by reaction of the hydrocarbyloxy functionality thereof with aluminum or silicon atoms or hydroxyl, silane or chlorosilane functionality of the substrate.

Ind.Cl.:143 D5

194273

Int.Cl<sup>7</sup>:B 65 B 11/00**" A DEVICE FOR STRETCH WRAPPING ARTICLES WITH CLING FILM"**

**Applicant:** ITW SIGNODE INDIA LIMITED  
AN INDIAN COMPANY  
5, S.P. ROAD, BEGUMPET,  
HYDERABAD - 500 016  
INDIA

**Inventors:** 1. PERA RADHA KRISHNA  
2. TUMMALA RAMACHANDRA REDDY

Application No:1783/MAS/1996 filed on 08/10/1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

**21. Claims**

**A device for stretch wrapping articles with cling film comprising a housing provided with a table top, the said housing having a feeder assembly for holding and delivering the film to a stretching unit consisting of a pair of driven rollers, film pinching and width adjustments means, the said stretching unit being mounted on the table top, cutting means for cutting the desired length of film and control means for controlling the operation of the device.**

Ind.Cl.:134 C

194274

Int.Cl<sup>7</sup>:B 60 R 19/04**" A SEPARABLE BUMPER STRUCTURAL BODY"**

**Applicant:** HONDO GIKEN KOGYO KABUSHIKI KAISHA  
A JAPANESE CORPORATION  
1-1, MINAMI AOYAMA 2-CHOME,  
MINATO-KU, TOKYO 107  
JAPAN

**Inventors:** 1. TAKA AKI NAGADOME

Application No 1691/MAS/1996 filed on 25/09/1996

Convention No.7-264155 on, 12/10/1995 in JAPAN

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

**12 Claims**

1. **A separable bumper structural body (10) comprising:**  
a central bumper member (12) having first plates (15) disposed on respective opposite ends thereof, said first plates (15) having respective ribs (21); and  
a pair of side bumper members (13) having respective second plates (16) disposed on ends thereof in confronting relation to said first plates (15), respectively;  
wherein the first plates (15) and the second plates (16) are joined to each other for thereby integrally combining said central bumper member (12) and said side bumper members (13) while making said central bumper member (12) and said side bumper members (13) lie substantially flush with each other at junctions thereof.

Comp.Specn. 15 Pages; Drgs 8 Sheets.

Ind.Cl.:32F3(D)

194275

Int.Cl<sup>7</sup>:C08F4/00;C08/F4/38

A PROCESS FOR THE PREPARATION OF A (CO) POLYMER.

Applicant: AKZO NOBEL NV  
OF VELPERWEG 76,  
6824 BM ARNHEM  
A DUTCH COMPANY THE NETHERLANDS.

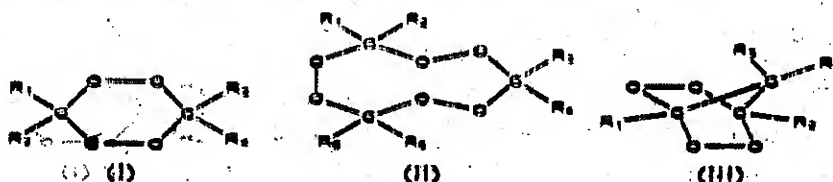
Inventors: 1. LEONIE ARINA STIGTER;  
2. JOHN MEIJER;  
3. ANDREAS PETRUS VAN SWIETEN

Application No:397/MAS/96 filed on 5TH MAR 96

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

9 Claims

A process for the preparation of a (co)polymer wherein a peroxide composition comprising at least one organic peroxide is added to a known polymerization reaction mixture to initiate the (co)polymerization under known conditions whereby at least some of the organic peroxide is decomposed, at least 20% of the total active oxygen content of the organic peroxide is attributable to at least one cyclic ketone peroxide selected from formulas I-III:



wherein  $R_1$ - $R_4$  are independently selected from the group consisting of hydrogen,  $C_1$ - $C_{20}$  alkyl,  $C_3$ - $C_{20}$  cycloalkyl,  $C_6$ - $C_{20}$  aryl,  $C_7$ - $C_{20}$  aralkyl and  $C_7$ - $C_{20}$  alkaryl, which groups may include non-cyclic or branched alkyl moieties; and each of  $R_1$ - $R_4$  may be optionally substituted with one or more groups selected from  $C_1$ - $C_{20}$  alkyl, linear or branched,  $C_3$ - $C_{20}$  cycloalkyl,  $C_6$ - $C_{20}$  aryl,  $C_7$ - $C_{20}$  aralkyl, hydroxy,  $C_1$ - $C_{20}$  alkoxy,  $C_6$ - $C_{20}$  aryloxy,  $C_7$ - $C_{20}$  aralkoxy,  $C_7$ - $C_{20}$  alkaryl,  $R_1C(O)-$ , halogen, carboxy, nitrile and amido; or  $R_1/R_2$ ,  $R_3/R_4$  and  $R_5/R_6$  each may, together with the carbon atom to which they are attached, form a 3 to 20 atoms membered cycloaliphatic ring which may be optionally substituted with one or more groups selected from  $C_1$ - $C_{20}$  alkyl, non-cyclic or branched,  $C_3$ - $C_{20}$  cycloalkyl,  $C_6$ - $C_{20}$  aryl,  $C_7$ - $C_{20}$  aralkyl, hydroxy,  $C_1$ - $C_{20}$  alkoxy,  $C_6$ - $C_{20}$  aryloxy,  $C_7$ - $C_{20}$  aralkoxy,  $C_7$ - $C_{20}$  alkaryl,  $R_1C(O)-$ ,  $R_1QC(O)-$ , halogen, carboxy, nitrile and amido.

Reference to : US 3149126;3003000;3632606. GB 827511;912061;1072728.

Comp.Specn. 38 Pages; Drgs NIL Sheets.

Ind.Cl.:32F<sub>3</sub>(a), 32E

194276

Int.Cl<sup>7</sup>:C 07 D 301/14

**" A PROCESS FOR THE PREPARATION OF AN EPOXY - CONTAINING COMPOUND"**

**Applicant:** DOW GLOBAL TECHNOLOGIES INC.,  
—A US COMPANY,  
OF WASHINGTON STREET,  
1790 BUILDING, MIDLAND, MICHIGAN 48674,  
USA

**Inventors:** 1. ANDREW T. AU  
2. J. LOWELL NAFZIGER

**Application No:**1712/MAS/1995 filed on 22nd December 1995

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

**10 Claims**

A process for the preparation of an epoxy-containing compound such as herein described essentially free of organic halides comprising the steps of:

- (1) providing an allyl reagent selected from an allyl carboxylate or an allyl carbonate;
- (2) allylating in a known manner one or more compounds such as herein described containing at least one active-hydrogen atom per molecule, in the presence of a transition metal catalyst and optionally in the presence of at least one complexing agent and a base, at a temperature of from -20°C to 250°C, the ratio of the base to active-hydrogen containing compound is 0.8 : 1, wherein the active hydrogen atom is selected from a hydroxyl group, a thiol group, or a primary or secondary aryl amine group with said carboxylate or the allyl carbonate from step (1), whereby an allyl ether, an allyl thioether or an allyl aryl amine compound is formed; and
- (3) epoxidizing in a known manner the allyl groups on the compound from step (2) to epoxide groups, whereby a glycidyl ether, a glycidyl thioether or a glycidyl aryl amine compound is formed.

Ind.Cl.:32 B

194277

Int.Cl<sup>7</sup>:C 10 G 47/14; C 07 C 6/12**"A PROCESS FOR THE PREPARATION OF NONCYCLIC C<sub>6</sub> PARAFFIN HYDROCARBON"**

**Applicant:** MOBIL OIL CORPORATION  
a corporation organized under the laws of the State of New York,  
of 3225 Gallows Road, Fairfax, Virginia 22037,  
United States of America

**Inventors:** 1. Roy Daniel BASTIAN 4. Jose Guadalupe SANTIESTEBEN  
2. Clarence Dayton CHANG 5. David Lawrence STERN  
3. Scott HAN

Application No642/MAS/2000 filed on 11th August 2000

Division to Patent Application No: 751/MAS/94 Ante-Dated:9th August 1994

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

**11 Claims**

A process for the preparation of non-cyclic C<sub>6</sub> paraffin hydrocarbon comprising the steps of:

- (a) charging a feedstock of C<sub>6</sub> cyclic hydrocarbon along with a source of chlorine and hydrogen to a first reaction zone, where in the C<sub>6</sub> cyclic hydrocarbon and the source of chlorine and hydrogen are contacted with a catalyst comprising (i) a hydrogenation-dehydrogenation component and (ii) an acidic solid component comprising a Group IVB metal oxide modified with an oxyanion of a Group VIB metal, under ring opening conditions;
- (b) charging a feedstock comprising the paraffin hydrocarbon product from the first reaction zone, a source of chlorine and hydrogen to a second reaction zone, wherein the feedstock is contacted with a known isomerization catalyst such as herein described at a temperature of at least 150 °C, and a weight hourly space velocity of from 0.1 to 50 hr<sup>-1</sup> to isomerize the paraffin hydrocarbon product from the first reaction zone and
- (c) recovering the isomerized product from the second zone.

Reference to : US 4,783,575; US 4,834,866;

Comp.Specn. 52 Pages; Drgs 2 Sheets.

Ind.Cl.:146 D1

194278

Int.Cl<sup>7</sup>:G02B-27/00**"OPTICAL CONVERTER AND BINOCLE INCORPORATING THE SAME"**

Applicant: DEVARAJ MOHAN  
 INDIAN  
 NO.9, SR PET STREET, THAKKOLAM POST,  
 ARAKKONAM TK., VELLORE DT., TAMILNADU  
 INDIA

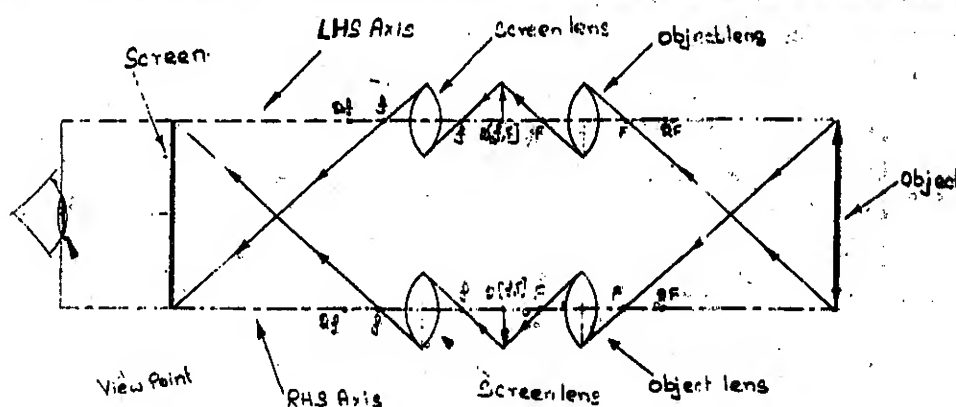
Inventors: DEVARAJ MOHAN

Application No:229/MAS/2000 filed on 21/03/2000

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
 Patent Office, Chennai Branch.

**3. Claims**

Optical converter having two axis parallel to each other on which two set of convex lenses, comprising the object lenses, which set of lenses, are faced towards object, and the screen lenses, which set of lenses are faced towards screen are placed apart and the screen is placed in-between view point and screen lenses and the view point lying between the said two axis parallel to each other, the screen is capable of being moved parallel to the axis with references to the distance between object and object lenses.



Comp.Specn. 4 Pages; Drgs 1 Sheets.

Ind.Cl.:35B

194279

Int.Cl<sup>7</sup>:B01J 19/18

" A METHOD AND AN APPARATUS FOR THE CONTINUOUS  
TREATMENT OF PARTICULATE MATERIAL "

Applicant: F.L. SMIDTH & CO, A/S  
A DANISH COMPANY  
VIGERSLEV ALLE 77,  
DK-2500 VALBY, COPENHAGEN  
DENMARK

Inventors: 1. JORN TOUBORG

Application No:61/MAS/1997 filed on 16/01/1997

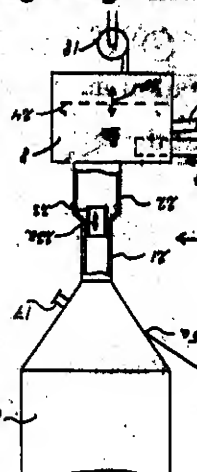
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

15 Claims

A method for the continuous treatment of particulate material, such as cement raw meal, in an apparatus comprising at least one stationary reactor (6) configured as a spouted bed, to which the material is fed and treated in a suspended bed by means of gas which, via a centrally arranged gas inlet (21), is injected at the bottom of the reactor (6) and flows upwards through the reactor (6), and wherefrom the material is discharged via the gas inlet (21) under gravity against the gas flow at the bottom of the reactor, characterized in that the dimensions and operating parameters of the reactor (6, 21) and the connected apparatus volumes (8a) are selected and controlled in such a way that during operation the bed is caused to pulse up and down in the reactor (6) in a controlled manner at such an amplitude that a quantity of the bed material corresponding to the quantity of fresh feed material is, when the bed is situated in its lowest position, brought into a zone (22) in which the gas flow velocity is lower than the minimum velocity required for suspending the bed particles, whereby the quantity of the bed material drops through the gas flow out of the reactor.

Reference to : EP-B-0280278

Comp.Specs: 15 Pages; Drgs: 2 Sheets.



Ind.Cl.:172 E

194280

Int.Cl<sup>7</sup>:D01G - 27/04**" A MACHINE FOR WINDING LAP SHEETS TO LAPS"**

Applicant: M/s. MASCHINENFABRIK RIETER AG  
A SWISS COMPANY  
KLOSTERTRASSE 20,  
CH-8406 WINTERHUR  
SWITZERLAND

Inventors: 1. PAUL SCHEURER  
2. MARCEL RENGEL

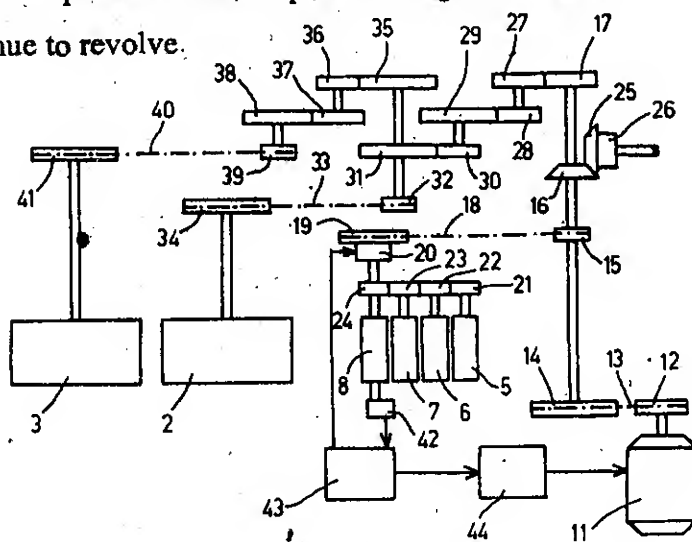
Application No1041/MAS/1996 filed on 12/06/1996

Convention No.02 505 / 95-5 on, 04/09/1995 in SWITZERLAND

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

**7 Claims**

1. A machine for winding lap sheets to laps with lap rollers (2, 3) for carrying laps (1) one at a time, with the lap rollers (2, 3) lined up with the calender rollers (5, 6, 7, 8) for calendering a lap sheet (4) and with a driving motor (11) for turning the lap rollers (2, 3) and the calender rollers (5, 6, 7, 8), characterized in that, through a clutch arranged between the driving motor (11) and the calender rollers (5, 6, 7, 8), the drive to the calender rollers (5, 6, 7, 8) is interrupted by a control unit (43) for ending a winding operation at any given time when a predetermined lap sheet length has been reached whilst the lap rollers (2, 3) continue to revolve.



Comp.Specn. 10 Pages; Drgs 1 Sheets.

Int. Cl<sup>7</sup> : A23K 1/00; A23K 1/16; B01J 2/00

Ind. Cl : 11C, 141

Title : PROCESS FOR PREPARING A FREEFLOWING ANIMAL FEED SUPPLEMENT BASED ON A METHIONINE SALT AND THE GRANULAR MATERIAL OBTAINABLE THEREFROM

Applicant : DEGUSSA AKTIENGESELLSCHAFT, OF BENNIGSENPLATZ 1, D-40474, DUSSELDORF, GERMANY.

Inventor : 1. DR. WOLFRAM BINDER  
2. DR. HANS ALBRECHT HASSEBERG  
3. DR. HEIDEMARIE KNIESEL

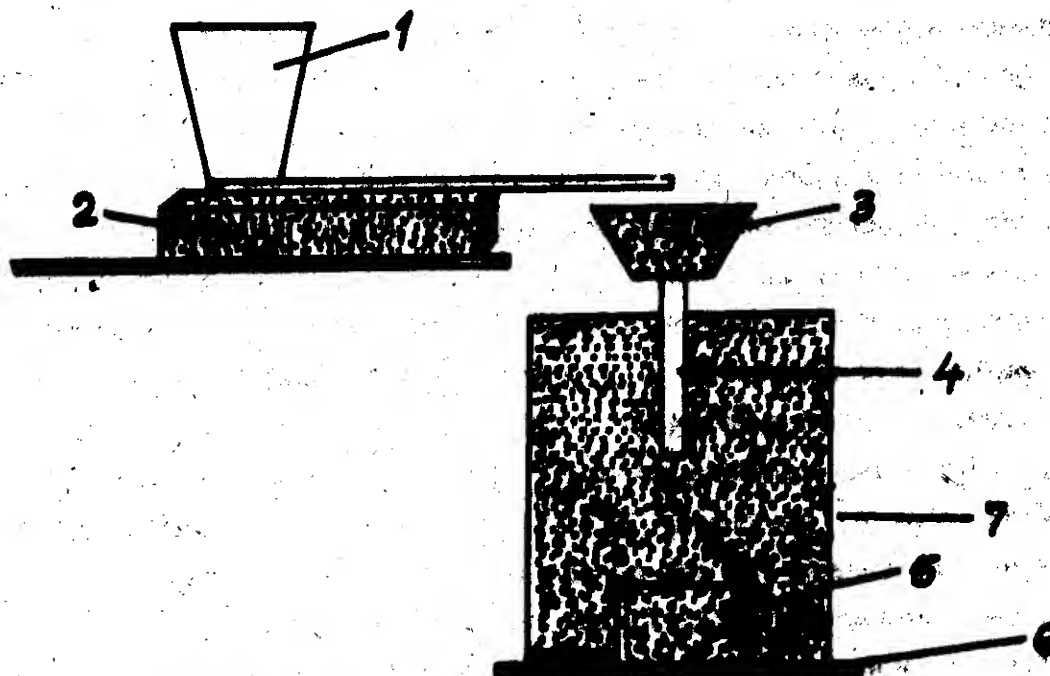
Application no : 289/CAL/1998 FILED ON 23.02.1998  
(CONVENTION NO.197 07 380.8 FILED ON 25.2.1997 IN DE)

194281

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) 'PATENT OFFICE KOLKATA.**

**17CLAIMS.**

Process for preparing a free-flowing, animal feed supplement based on a methionine salt, characterised in that a methionine salt solution of 10-70 wt% strength is converted into a granular material by treating with active carbon before spray drying and/or granulation.

**Complete Specification : 17 pages.****Drawing : 1 sheet**

Int. Cl<sup>7</sup> : F24F – 5/00

194282

Ind. Cl : 196 B1 B2

Title : AIR CONDITIONING SYSTEM

Applicant : SANYO ELECTRIC CO. LTD, OF 2-5-5, KEIHANHONDORT.  
MORIGUCHI-SHI, OSAKA-FU, JAPAN

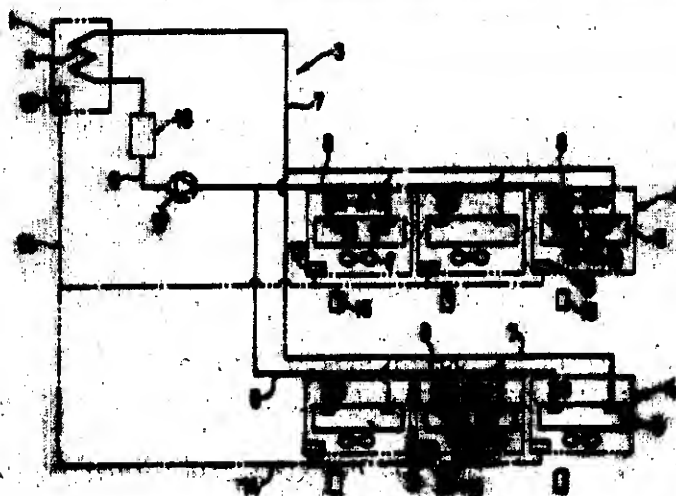
Inventor : 1. HIDETOSHI ARIMA  
2. NOBUHIRO IDEI  
3. HISAO HONDA  
4. KAZYHIRO SHIMURA  
5. NAOHITO SAKAMOTO  
6. TOSHIO KUBO  
7. MAMORU KUBO  
8. HIROYUKI TAKADA

Application no, 2058/CAL/1997 FILED ON 31.10.1997  
(CONVENTION NOS. 8-290156 ; 8-290157 FILED ON 31.10.1996 IN JAPAN.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES  
2003) PATENT OFFICE KOLKATA.*

### 13CLAIMS.

An air conditioning system for circulating a fluid which can change a phase between a gas phase and a liquid phase by a difference of a specific gravity between the gas phase and the liquid phase between a heat source side machine (1) and a plurality of user side machines (4) more than half of which are disposed below the heat source side machine, so that each of the user side machines performs a cooling operation, characterized in that each of the user side machines (4) is provided with a heat exchanger (5), a flow control valve (6) for controlling a volume of said fluid supplied to the heat exchanger, a blower (9) for supplying air conditioned air to a room through the heat exchanger, a physical value detecting device for detecting a physical value relating to an air conditioned load, and a user control apparatus (13) for the heat exchanger (5), the flow control valve (6), the blower (9) and the physical value detecting device e.g. temperature sensors (10, 11), and the heat source side machine (1) has a heat source control apparatus (12) for communicating with said user control apparatus (13) via a communication line (14), and for outputting a control signal to said flow control valve (6) of the user side machines (4) by means of a remote controller (15), which is adapted to communicate with the user control apparatus (13) in correspondence to each of the user side machines (4) for performing a starting and stopping operation of a cooling, a select operation of a strength of blowing and a setting operation of a temperature.



**Complete Specification : 53 pages.**

**Drawing : 8 sheets**

Int. Cl.<sup>7</sup> : H03M 13/12

Ind. Cl : 206 E

Title : QUALITY CALCULATOR FOR VITERBI DECODED DATA USING ZERO-STATE METRICS

Applicant : SAMSUNG ELECTRONICS CO. LTD OF 416, MAETAIN-DONG, PALDAL-GU, SUWON-CITY, KYUNGKI-DO, REPUBLIC OF KOREA

Inventor : 1. KONG JUN-JIN  
2. CHOI SUNG-HAN

Application no : 2273/CAL/1997 FILED ON 3.12.1997  
(CONVENTION NO.97-24723 FILED ON 14.6.1997 IN REPUBLIC OF KOREA)

194283

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

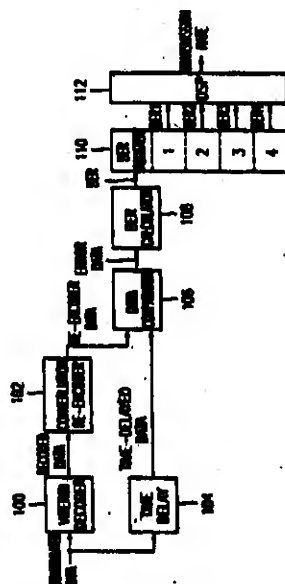
#### 4 CLAIMS.

A quality calculator for viterbi-decoded data, using zero-state metrics, in a communication system adopting convolutional coding, a quality calculator comprising:

A Viterbi decoder which outputs zero-state metrics of input demodulated data, according to each of a plurality of transmission rates;

A register which stores respective zero-state metrics output from the Viterbi decoder; and

A quality evaluation unit which reads the zero-state metrics stored in the register, to evaluate the viterbi-decoded data based on the zero-state metrics, and which determines the actual transmission rate to be the one among the possible transmission rates which has the least zero-state metrics.



*Complete Specification : 14 pages.*

*Drawing : 3 sheets*

Int. Cl.<sup>7</sup> : C08F 2/04 194284

Ind. Cl : 32

Title : A REACTOR AND A PROCESS FOR MIXING A COOLER LIQUID INTO A HOTTER & POLLUTION AND A PROCESS FOR POLYMERISATION

Applicant : NOVA CHEMICALS (INTERNATIONAL) S.A. OF ROUTE DE LA GLANE 107, PO BOX 76, CH-1752 VILLARS-SUR-GLANE 1, SWITZERLAND

Inventor : 1. ANNETTE LYNN BURKE  
2. EDWARD CHRISTOPHER FOY  
3. JON IATROU  
4. UMESH KARNIK  
5. DARWIN EDWARD KIEL

Application no. 437/CAL/1998 FILED ON 17.3.1998  
(CONVENTION NO.2,201224 FILED ON 27.3.97 IN CANADA)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

### 11 CLAIMS.

A reactor (2) comprising a closed cylindrical vessel having one or more inlets (6), one or more outlets (7), a ratio of height to diameter from 1.5:1 to 3:1, at least one of said one or more inlets (6) being located in the bottom of said closed cylindrical vessel and the flared portion (9) of said tube being proximate said at least one inlet, characterized in that a mixing element (1) being internally disposed in said cylindrical vessel in cooperating arrangement, the mixing element (1) comprising:

a. a tube which defines an open interior space, said tube having a cylindrical top section (8), a flared bottom section (9), and a fixed stator (10) between said top section and said bottom section, wherein said fixed stator (10) partially constricts said open interior space in the area between said cylindrical top section (8) and said flared bottom section (9);

b. a combined auger and impeller comprising:

b1. a central shaft (1) rotatable within said tube;

b2. at least one auger flight (12) integrally attached to said central shaft so as to describe a helix about said central shaft (11), wherein said auger flight (12) is located within, and rotatable within, said open space of said cylindrical top section (8) of said tube; and

- b3. a series of impeller blades (13) attached to said shaft (11) below said fixed stator (10) and said at least one auger flight (12) at a distance sufficient to permit clearance between said fixed stator (10) and said at least one auger flight (12), wherein said impeller blades (13) are located within, and rotatable within, said open space within said flared bottom section (9) of said tube, with the proviso that the rotation diameter of said impeller blades is greater (13) than the rotation diameter of said at least one auger flight (12).

*Complete Specification : 23 pages.*

*Drawing : 2 sheets*

Int. Cl.<sup>7</sup> : H04N 5/455 194285

Ind. Cl : 186B3

Title : APPARATUS AND METHOD FOR GENERATING ON-SCREEN  
DISPLAY MESSAGES USING TRUE COLOR MODE.

Applicant : THOMSON CONSUMER ELECTRONICS INC. OF 10330, NORTH  
MERIDIAN STREET, INDIANAPOLIS, INDIANA 46290-1024,  
USA

Inventor : 1. MICHAEL DWAYNE KNOX  
2. MICHAEL SCOTT DEISS.

Application no 1924/CAL/1997 FILED ON 14.10.1997

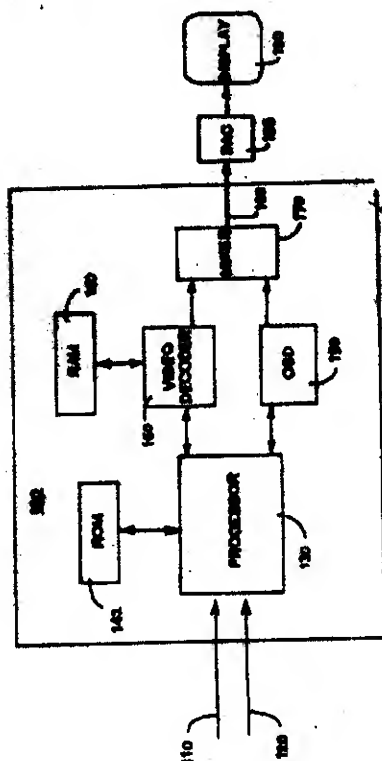
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES  
2003) PATENT OFFICE KOLKATA.

### 2 CLAIMS.

Method for constructing an on-screen-display (OSD) bitstream, said method comprising the steps of :

Forming bitstream including an OSD header having a bit for indicating one of a true color mode and a non true color mode; and

Generating OSD data defining color values for an OSD pixel when the bit indicates said true color mode and indicies to a palette for the OSD pixel when the bit indicates the non true color mode.



Complete Specification : 14 pages.

Drawing : 3 sheets

Int. Cl.<sup>7</sup> : H04N 11/02

Ind. Cl : 186B3

Title : A METHOD AND APPARATUS FOR CONSTRUCTING AN OSD BITSTREAM

Applicant : THOMSON CONSUMER ELECTRONICS INC. OF 10330, NORTH MERIDIAN STREET, INDIANAPOLIS, INDIANA 46290-1024, USA

Inventor : 1. MICHAEL DWAYNE KNOX  
2. AARON HAL DINWIDDIE

Application no 1925/CAL/1997 FILED ON 14.12.1997

194286

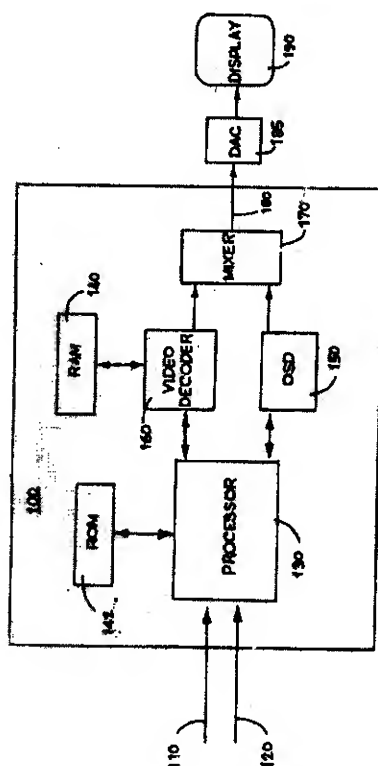
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.

### 7 CLAIMS.

Method for constructing an on-screen-display (OSD) bitstream, said method comprising the steps of:

Setting a bit in an OSD header where said bit is used to indicate a line doubling mode; and

Generating OSD data portion having OSD data representing every other OSD line in response to the line doubling mode being set.



Complete Specification : 14 pages.

Drawing : 3 sheets

Int. Cl.<sup>7</sup> : H04N 7/30 194287

Ind. Cl : 206 E

Title : METHOD AND SYSTEM FOR THE CODING AND DECODING OF A DIGITIZED PICTURE

Applicant : SIEMENS AKTIENGESELLSCHAFT OF WITTELSBACHERPLATZ 2, 80333, MUENCHEN, GERMANY.

Inventor : DR. ANDRE KAUP

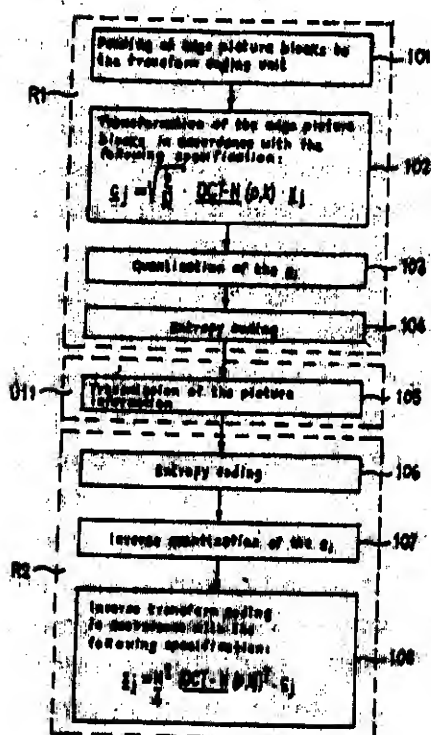
Application no. 105/CAL/1998B FILED ON 20.01.1998  
(CONVENTION NO.19703672.4 FILED ON 31.01.1997 IN GERMANY.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.

### 20 CLAIMS

Method for the coding of a digitized picture which has picture objects having any desired number of pixels,

- In which the picture coding is carried out in an intra picture coding mode or in an inter picture coding mode,
- In which the picture information of the pixels is transformed in the intra picture coding mode,
- In which difference picture information between picture information of two succeeding pictures is transformed in the inter picture coding mode,
- In which a first shape adapted transform coding is carried out in the inter picture coding mode, and
- In which a second shape adapted transform coding which is different from the first shape adapted transform coding is carried out in the intra picture coding mode.



Complete Specification : 20 pages.

Drawing : 3 sheets

Int. Cl.<sup>7</sup> : A47L 9/24 194288

Ind. Cl : 150C

Title : TELESCOPIC EXTENSION FOR A HOUSEHOLD APPLIANCE  
AND METHOD FOR ASSEMBLING THEREOF

Applicant : OMEC S.P.A. OF VIA E. MATTEI 20, 21055 GORLA MINORE  
(VARESE), ITALY

Inventor : GIUSEPPE CANALE

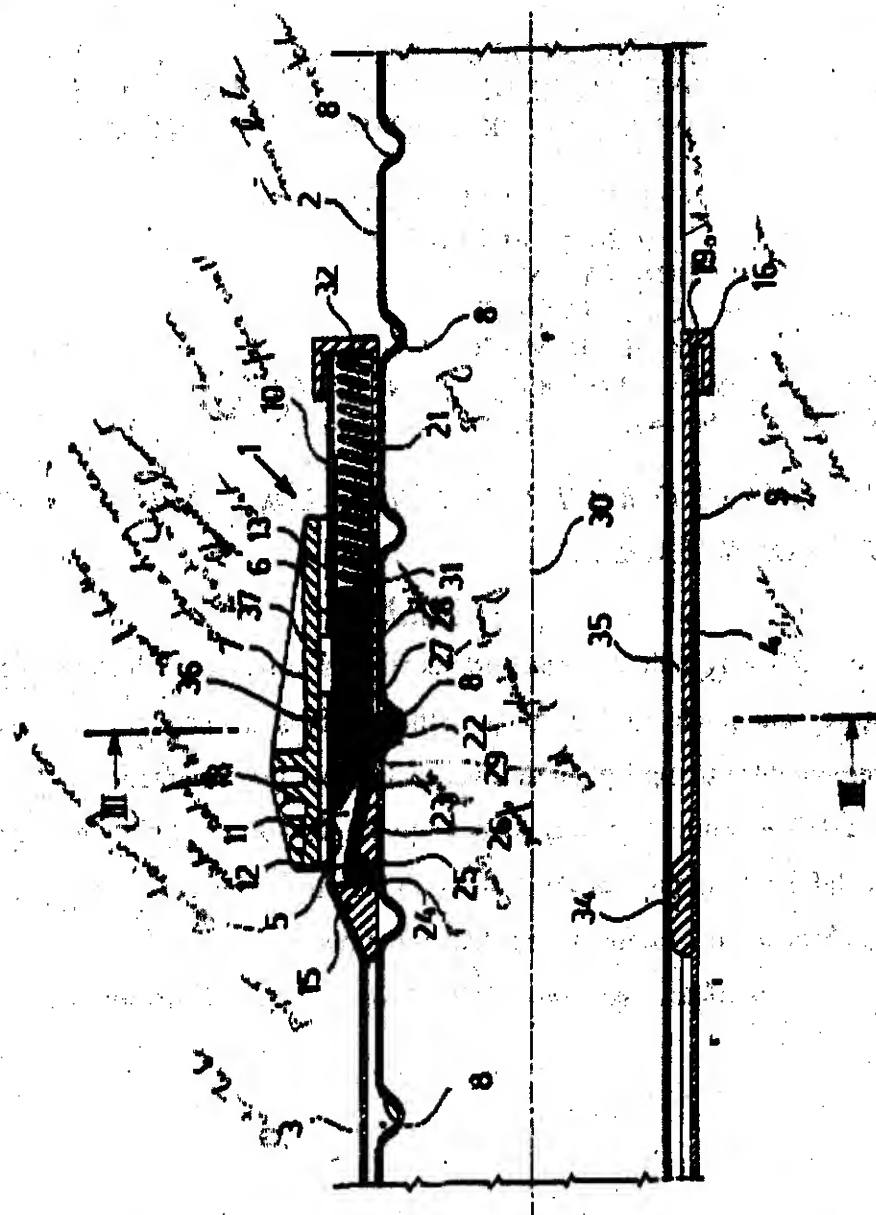
Application no : 986/CAL/1998 FILED ON 04.06.1998  
(CONVENTION NO.M197A001364 FILED ON 10.6.1997 IN ITALY.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES  
2003) PATENT OFFICE KOLKATA.*

#### 14 CLAIMS.

A telescopic extension (1; 41) for a household appliance comprising an inner tube (2) and an outer tube (3) sliding tightly within each other, a sleeve (4; 44), a constraining means (5) capable of fastening said inner and outer tube (2, 3), a thrust element (6) in engagement with said constraining means (5) under the action of spring means (21), and actuating means (7) operatively connected to said thrust element (6), said inner tube (2) being provided with a row of notches (8) of preselected shape, a tubular end portion (9; 49) provided with a slot (13) being associated with said outer tube (3), said sleeve (4; 44) being fastened to said tubular end portion (9; 49), said constraining means (5), thrust element (6) and spring means (21) being movably supported in said sleeve (4; 44), said thrust element (6) acting on said constraining means (5), under the action of said spring means (21), to force said constraining means (5) into one notch (8) to lock said inner tube (2) in said outer tube (3), said actuating means (7) being capable of disengaging said thrust element (6) from said constraining means (5) to let said constraining means (5) exit from said notch (8) and unlock said inner tube (2) from said outer tube (3), allowing the inner tube (2) to slide in respect of said outer tube (3) for adjusting the length of said extension, said actuating means (7) being a piece separate from said thrust element (6) and having protruding wings (37) capable of penetrating said slot (13), characterised in that said tubular end portion (9; 49) has a relief (11) forming a niche (12) and said sleeve (4; 44) is provided with a projection (15) which is inserted in said niche (12) and has a hollow (18) wherein said constraining means (5), thrust element (6) and spring means (21) are completely housed, said thrust element (6), in turn, is formed by a lengthened, flattened slider (26) provided with a narrow portion (20) having recesses and said protruding wings

(37) of said actuating means (7) are provided with inner small teeth (38) capable of being snap-on coupled with said recesses.



Complete Specification : 15 pages.

Drawing : 5 sheets

Int. Cl<sup>7</sup> : C10G 3/00 C10C 1/00 C10C 1/20 D01F 9/12 194289

Ind. Cl : 56E

Title : A PROCESS FOR STABILIZING A PITCH ARTIFACT

Applicant : CONOCO INC, OF PO BOX 12 67 , 1000, PINE STREET  
PONCA CITY, OKLAHOMA 74602-1267, USA

Inventor : 1. ANDREA K. ZIMMERMAN  
2. H. ERNEST ROMINE.  
3. LORTIA DAVIS.  
4. JON A. RODGERS.  
5. JAMES R. MCCONAGHY

Application no 595/CAL/1998 FILED ON 07.04.1998  
(CONVENTION NO. 60/042, 762 FILED ON 09.04.1997 IN USA.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**14 CLAIMS.**

A process for stabilizing a pitch artefact produced from solvated pitch comprising :

Heating said pitch artefact to an initial process temperature at least equal to the formation temperature of said pitch artefact and below the instantaneous softening point of said pitch artefact while exposing said pitch artefact to an oxidizing agent for a time sufficient to stabilize said pitch artefact, wherein the pitch artefact is heated for a total process time ranging from about 1 minute to less than 60 minute.

***Complete Specification : 16 pages.***

***Drawing : nil***

Int. Cl<sup>7</sup> : C07C 211/08 C08G 18/00 B22C 1/22 194290

Ind. Cl : 32F2

Title : A PROCESS FOR PRODUCING A CATALYTIC CURING AGENT FOR RESINS AND PRODUCTION OF SAND CORES BY USING THE CURING AGENT SO PRODUCED

Applicant : RENE BECERRA BRAMBILA AND GERMAN MAYA HERNANDEZ OF PASEO DE LA REFORMA NO. 30 THIRD FLOOR 06600, MEXICO, D.R.

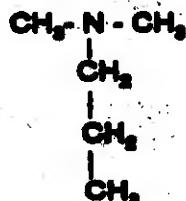
Inventor : 1. RENE BECERRA BRAMBILA  
2. GERMAN MAYA HERNANDEZ

Application no 1430/CAL/1997 FILED ON 01.08.1997  
(CONVENTION NO.963284 FILED ON 07.08.1996 IN MEXICO.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.

#### 4CLAIMS.

A process for producing a catalytic curing agent for resins, namely dimethylpropylamine of formula (I)



(I)

comprising the steps of :

- (a) providing a reaction mixture comprising hydrogen, dimethylamine and propyl alcohol wherein, the molar ratio of dimethylamine to propyl alcohol is in the range of 0.07 to 0.5;
- (b) providing a metal catalyst, such as herein described, and
- (c) contacting said reaction mixture and said catalyst at a temperature range of 100 degrees to 200 degrees centigrade while maintaining a space velocity of gaseous feeds, namely, hydrogen, propyl alcohol and dimethylamine between 500 and 2000 hour<sup>-1</sup>.

Complete Specification :16 pages.

Drawing : NIL

Indian Classification	:	32 B	194291
International Classification <sup>7</sup>	:	C07C 2/52	
Title	:	"AN IMPROVED PROCESS FOR THE CONVERSION OF C <sub>1-2</sub> ALKANE OR A MIXTURE OF THE SAID ALKANES OR A FEED CONTAINING SAID ALKANE(S) TO AROMATICS."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	VASANT RAMCHANDRA CHOUDHARY - INDIAN ANIL KISAN KINAGE - INDIAN TUSHAR VASANT CHOUDHARY - INDIAN	
Kind of Application	:	Complete	

Application for Patent Number 1136/Del/1997 filed on 2<sup>nd</sup> May 1997.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 19 Claims )

An improved process for the conversion of C<sub>1-2</sub> alkane or a mixture of the said alkanes or a feed containing said alkane(s) to aromatics which comprises :

- i) treating a bifunctional pentasil zeolyte catalyst optionally containing one or more transition element such as herein described having strong dehydrogenation and acid sites with a mixture of H<sub>2</sub>, steam and in the presence of inert gas at a gas hourly space velocity of at least 500 cm<sup>3</sup> g<sup>-1</sup> h<sup>-1</sup> at a temperature in the range of 400°C-800°C and pressure in the range of 1-5 atm for a period of at least 0.5 h,
- ii) treating the catalyst obtained in step (i) with air or O<sub>2</sub> at a gas hourly space velocity of at least about 200 cm<sup>3</sup> g<sup>-1</sup> h<sup>-1</sup> at a temperature in the range of 400°C-800°C and pressure in the range of 1-5 atm for a period of at least 0.2 h, and

- iii) contacting the catalyst obtained in step (ii) with a lower alkane or mixture of lower alkanes and at least one olefin or at least one higher paraffin or both, at a gas hourly space velocity in the range of  $1000-100000 \text{ cm}^3 \text{ g}^{-1} \text{ h}^{-1}$ , at a temperature in the range of  $300^\circ\text{C}-600^\circ\text{C}$  and pressure in the range of 1-5 atm, thereby forming a reaction mixture containing aromatics,
- iv) separating the aromatics formed from the reaction mixture by known methods and if desired,
- v) recycling the unconverted lower alkanes and non-aromatics to aromatics.

(Complete Specification 33 Pages Drawings Nil Sheet)

Indian Classification	:-	32 F3	
International Classification <sup>7</sup>	:-	A 61K 35/78, C 07D 493/04, C 07M 17/07	194292
Title	:-	"A PROCESS FOR EXTRACTION OF ANTIDIABETIC FORMULATION MAINLY CONTAINING FLAVONOID GLYCOSIDES"	
Applicant	:-	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India, an Indian registered body incorporated under the Registration of Societies Act. AND INDIAN COUNCIL OF MEDICAL RESEARCH, Ansari Nagar, New Delhi - 110 029.	
Inventors		SUKHDEV SWAMI HANDA, OM PRAKASH SURI, NARESH KUMAR SATTI, KRISHAN AVTAR SURI, OM PRAKASH GUPTA, NEELAM SHARMA, RAKESH MAURYA, GUZZARLAMUOI VIJAYA RATNA JOSEPH, DEEPA SINGH, CHANDRIKA PARIHAR, DEPAK MUNDKINAJEDOU, RAJINDER SINGH - ALL INDIANS.	
Kind of Application	:-	COMPLETE	
Application for Patent Number	776/del/2000	filed on	29.8.2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 5 )

A process for extraction of antidiabetic formulation mainly containing flavonoid glycosides, which comprises:

- extracting powdered heartwood of *Pterocarpus marsupium* in a polar solvent such as herein described in the ratio of 1:10-16 (w/v) by known methods as here described for a period of 3 to 8 hours.
- filtering the aqueous extract by known methods, drying the filtrate in a spray dryer or vacuum oven or rota vapour at 45 to 55°C,
- tritulating the residue with chlorinated solvent as herein described to remove fatty non polar constituents to get a free flowing powder of antidiabetic formulation, mainly containing compounds pterosupol (1) and novel compounds 3-(4-hydroxybenzylidene)-6-hydroxy-benzo-2(3H) - furanone-7-C-β-D-glucopyranoside (2), 1-C-(2, 6-dihydroxy phenyl)-β-D-glucopyranose (3), 6 - hydroxy -2 - p - hydroxybenzylbenzofuran -7 - C-β - D - glucopyranoside (4), 8-C-β-D-glucopyranosyl-7-hydroxy-2-(3',4'-dihydroxy phenyl)-4H-1-benzopyran-4-one(6) and 2,6-dihydroxy-2- (p-hydroxybenzyl)-3(2H)-benzofuranone-7 -C-β-D-glucopyranoside(7), in the ratio 0.3-0.7% (1), 2.2-2.8% (2), 1.6-2.0% (3), 0.3-0.5% (4), 0.7-1% (6) and 1.8-2.4% w/w (7).

Complete Specification      No of Pages      22      Drawings Sheets      2

Indian Classification :- 55D  
194293

International Classification<sup>7</sup> :- A 01N 3/00

Title :- "A PROCESS FOR THE PREPARATION OF O-PYRIDYL THIOPHOSPHATE INSECTICIDES FREE OF 3, 5, 6-TRICHLORO-PYRIDIN-2-OL TOXIN"

Applicant :- COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India, an Indian registered body incorporated under the Registration of Societies Act.

Inventors :- AKMAL PASHA - INDIAN.

Kind of Application COMPLETE

Application for Patent Number 258/del/2000 filed on 16/03/2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 6 )

A process for the preparation o-pyridyl thiophosphate insecticides free of 3, 5, 6-trichloropyridin-2-ol toxin which comprises adding a secondary cyclic amine to the o-pyridyl thiophosphate chlorpyrifos or its analogue in presence of organic solvents of medium polarity till precipitation is completed, separating the so far precipitated complex by conventional filtration or centrifugation techniques, treating the filtrate with mineral acid till a pH of 6 is attained and recovering the toxin-free o-pyridyl thiophosphate and purifying by solvent removal.

Complete Specification

No of Pages

10

Drawings Sheet

01

Indian Classification : 32F<sub>3</sub>(c) 194294  
International Classification<sup>4</sup> : C07C 31/04; C07C29/00; B01J23/00.  
Title : "AN IMPROVED PROCESS FOR THE PREPARATION OF METHANOL".  
Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).  
Inventors : ROBERT RAJA  
PAUL RATNASAMY-BOTH INDIAN.  
Kind of Application : COMPLETE

Application for Patent Number 794/DEL/1997 filed on 27/03/1997.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(12 Claims)

An improved process for the preparation of methanol which comprises reacting methane with an oxidant such as herein described, in the presence of a solid catalyst consisting of an organotransition metal complex wherein some or all of the hydrogen atoms of the said organotransition metal complex have been substituted by one or more electron withdrawing groups, and encapsulated with an solid matrix containing an inorganic oxide and an organic oxide, at a temperature below, 100°C, at a pressure in the range of 5 to 1000 psi, in the presence of solvents and a promoter such as herein described and isolating the methanol formed by conventional methods.

(Complete Specification Pages 21 Drawing NIL Sheet)

Indian Classification : 32F<sub>2</sub>(b) 194295

International Classification<sup>4</sup> : C11B9/00; A61K 9/46; C11D 3/50

Title : "A PROCESS FOR THE PREPARATION OF UNSYMMETRICALLY DISUBSTITUTED CYCLOALKANONES".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860) & Laboratoire de Physicochimie Structurale et Macromoléculaire, Unité Associée au CNRS (URA 278), ESPCI, 10 Rue Vauquelin, 75231 Paris Cedex 05, France.

Inventors : SATYA VARAHALA NADIMPALLIRAJU  
SMITA ATMARAM MULE  
KUMAR VENKATRAMAN SRINIVASAN  
CHELANATTU KHIZHAKKE MADATH-  
RAMAN RAJAN  
SURENDRA PONRATHNAM-ALL INDIAN  
CLAUDINE NOEL-FRANCE.

Kind of Application : COMPLETE

Application for Patent Number 426/DEL/1997 filed on 21/02/97

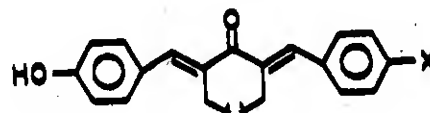
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi - 110 008.

(Of Claims)

A process for the preparation of unsymmetrically disubstituted cycloalkanones which comprises: reacting 2-(aryl-1-hydroxy methylene) cycloalkanones of formula 2 of the drawing accompanying this specification. In the presence of a catalyst and a dry organic solvent such as herein described, under inert atmosphere, stirring the mixture initially at ambient temperature for a period up to 60 minutes, refluxing the reaction mixture for a period 14 hours, removing the organic solvent under reduced pressure, dissolving the obtained residue in an organic solvent as defined above, washing with water, followed by brine solution, drying the organic layer over a drying agent, concentrating under reduced pressure and separating the compound by column chromatography using a silica gel column and suitable eluent system as described herein followed by re crystallization to get desired unsymmetrically disubstituted cycloalkanones of formula 1 of the drawing Reference to accompanying drawings should be given this specification.

Formula: 1

(Complete Specification Pages 26 Drawing 01 Sheet)



Indian Classification : 39C  
International Classification<sup>4</sup> : C04B-7/32 194296  
Title : "A PROCESS FOR THE PREPARATION OF IMPROVED HIGH ALUMINA SELF FLOWING CASTABLE".  
Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).  
Inventors : DR. GOUTAM BANERJEE  
DR ASIS KUMAR ROY-BOTH INDIAN  
Kind of Application : COMPLETE

Application for Patent Number 909/DEL/1997 filed on 09/04/1997.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi - 110 008.

(03 Claims)

A process for the preparation of improved high alumina self flowing castable which comprises mixing fused alumina of particles size -80 +110 to -200 mesh, 15 to 35 wt% coarse & fine sillimanite sand, 15-20 wt%  $\text{Al}_2\text{O}_3$  of particle size 250 to 325 mesh, adding 10 to 15 wt% reactive silica solution and 0.05 to 0.10 wt % additive such as herein described, maintaining the pH in the range of 5 to 8, casting the resultant mixture, drying and firing the dried castable at a temperature in the range of  $500^\circ\text{C}$  to  $1300^\circ\text{C}$ , to get the desired alumina castable, the said process characterized in using additive which provides cold crushing strength and higher mechanical properties to the obtained castable at elevated temperature.

(Complete Specification Pages 10 Drawing NIL Sheet)

Indian Classification :- 39  
194297

International Classification<sup>7</sup> :- H 01L 39/04

Title :- "AN IMPROVED PROCESS FOR PREPARATION OF MULTILAYERED SILVER SHEATHED BISMUTH BASED SUPERCONDUCTING TAPES WITH HIGH CRITICAL CURRENT DENSITIES"

Applicant :- COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India, an Indian registered body incorporated under the Registration of Societies Act.

Inventors :- UPENDRAN - SYAMAPRASAD - INDIAN  
MADHAVAN SANKARA SARMA - INDIAN  
PERUMAL - GURUSWAMY - INDIAN  
KRISHNA GOPAKUMAR WARRIER - INDIAN  
ALATHOOR DAMODARAN DAMODARAN - INDIAN

Kind of Application :- COMPLETE

Application for Patent Number 259/del/1997 filed on 31/01/97

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 5 )

An improved process for the preparation of multilayered silver sheathed bismuth based superconducting tapes with high critical current densities which comprises - (a) packing a highly reactive (Bi,Pb) - Sr-Ca-Cu-O precursor powder free from carbon in high purity seamless silver tubes, - (b) groove-rolling and annealing the silver tubes to form silver sheathed wires with thickness in the range of 0.8-2mm, - (c) flat-rolling and annealing the wires sheathed (Bi,Pb)-Sr-Ca-Cu-O tapes with thickness in the range of 0.3-0.5 mm, - (d) re-flat-rolling and heat treating the tapes at a temperature in the range 810-840°C in an oxidizing atmosphere for a period in the 100-150 h to obtain silver sheathed monolayer superconducting tapes with a thickness in the range 0.08-0.2 mm and having a high degree of grain orientation and densification, - (e) stacking five to twenty numbers of the said monolayer tapes and folding them together by using high purity silver sheets having a thickness in the range 0.05 to 0.1 mm, - (f) annealing and flat-rolling the folded structure to form multilayered tapes to a thickness in the range 0.25 to 1.5 mm, - (g) heat treating the multilayered tapes at a temperature in the range of 810-840°C in an oxidizing atmosphere for a period in the range 50-150 h to obtain desired multilayered silver sheathed bismuth based superconducting tapes with high critical current densities.

Complete Specification

No of  
Pages

13

Drawings  
Sheets

NIL

Indian Classification 40 B: 55E4 194298

International Classification<sup>7</sup> A61K 37/48; C12N 11/00

Title A PROCESS FOR PREPARATION OF STABILIZED BIOCATALYST CONTAINING D-AMINO ACID OXIDASE ACTIVITY

Applicant Council of Scientific & Industrial Research, Rafi Marg, New Delhi - 1.

Inventors VIJAY CHINTAMAN SONAWANE -INDIAN

Kind of Application COMPLETE

Application for Patent Number 54/del/2002 filed on 25/01/2002

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 3 )

A process for the preparation of stabilized biocatalyst containing D-amino acid oxidase activity which comprises:

- a) cultivating *Trigonopsis variabilis* in a synthetic or a complex nutrient medium such as herein described.
- b) harvesting the cells and washing them with 50 Mm Tris buffer of pH 2.0.
- c) permeabilizing the enzymatically active nonviable whole cells or cell homogenate or cell fragments by treatment with 2% toluene.
- d) suspending the permeabilized cells in polyamine such as polyethyleneimine of molecular wt. 1000-50,000 with concentration of polyethyleneimine in the microbial cell suspension is 0.5-5%.
- e) treating the cell suspension with 0.05-2% of 1,4-butanediol diglycidyl ether at a temperature in the range of 4 to 30 deg. C for 24 to 72 hrs.,
- f) treating with amino compound containing primary amine group such as herein described to obtain stabilized biocatalyst.
- g) optionally converting stabilized biocatalyst to suitable form such as beads using agar-agar or agarose.

Complete Specification

No of  
Pages

9

Drawings  
Sheets

NIL

Indian Classification	:	83 A <sub>1</sub>	
International Classification <sup>n</sup>	:	A23L 1/22	194299
Title	:	"A PROCESS FOR THE PREPARATION OF TAMARIND PRODUCT FROM GREEN TAMARIND."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	MADENENI MADHAVA NAIDU - INDIAN SATHYAGALAM RANGANATHA DESIKACHARYA SAMPATHU - INDIAN NANJUNDAIAH KRISHNAMURTHY - INDIAN HALAGUR BOGEGOWDA SOWBHAGYA - INDIAN	
Kind of Application	:	Complete	

Application for Patent Number 0077/Del/2002 filed on 30<sup>th</sup> Jan. 2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 2 Claims )

A process for the preparation of tamarind product from green tamarind characterized in using a combination of drum drying and conventional mechanical drying of fermented tamarind to get dried mass of green tamarind having natural colour, flavour and aroma, which comprises:

- a) washing green mature tamarind in water,
- b) steeping the washed green tamarind in a solution containing a mixture of salt and acetic acid 10 - 25% : 0 - 2% or potassium meta bi sulphite and acetic acid 0.1 to 1% : 0.5 to 1% for a period of 7 to 15 days,
- c) disintegrating the tamarind obtained from step (b) using mechanical devisers to obtain a particle size of BS 2 - 15 mesh,
- d) adding adjuvants selected from
  - common salt      10 - 20%
  - fenugreek powder    2 - 10%
  - turmeric powder    2 - 11%
  - sodium benzoate    0 - 600 ppm by weight to the above mass,

- e) holding the mixed mass for a period of 2 – 8 weeks to facilitate natural fermentation,
- f) grinding the fermented mass to obtain a particle size of BS 5 to 20 mesh,
- g) subjecting the ground mass to heat treatment at 70°C – 90°C for a period of 10 – 30 minutes
- h) mixing the ground mass with starch powder at the rate of 0 – 10% by weight,
- i) drying the mass using a drum dryer at a temperature 100°C – 120°C for 10 – 30 seconds followed by drying at 50°C – 90°C using conventional mechanical dryers for a period of 1 – 3 hours,
- j) grinding the dried mass to a particle size of BS 25 – 30 mesh,
- k) blending spice mix with the above dried mass in the following weight%

dry mass	100 g
chilli	10 – 25 g
coriander leaves	3 – 10 g
curry leaves	2 – 10 g
garlic	5 – 30 g
asafoetida	0.1 – 2 g
citric acid	2 – 4 g
- l) reconstituting the mix obtained from step (j) with sterile water at 1 : 1-2 parts to get the desired produce.

(Complete Specification 16 Pages Drawings Nil Sheet)

Indian Classification : 32F<sub>3(d)</sub>; 55E<sub>4</sub> 194300

International Classification : C07F 7/02; C07F7/08

Title : "An improved for the preparation of 6-hydroxymethyl-4-(tert-butyldimethylsilyloxy)-4R,6S)-tetrahydro-2H-2-pyranone".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : SANDEEP RAGHUNATH GHORPADE  
UTTAM RAMRAO KALKOTE  
SUBHASH PRATAPRAO CHAVAN  
SUNIL RAMCHANDRA BHIDE  
THOTTAPPILLIL RAVINDRANATHAN - ,  
ALL INDIAN.

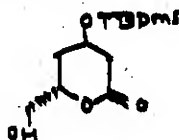
Kind of Application : COMPLETE

Application for Patent Number 84/DEL/2001 filed on 31/01/2001.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi - 110 008.

(04 Claims)

An improved process for the preparation of 6-hydroxymethyl-4-(tert-butyldimethylsilyloxy)-4R,6S)-tetrahydro-2H-2-pyranone having formula 1



which comprises oxidizing 3-hydroxy-5-(tert-butyldimethylsilyloxy)-3R,5S)-cyclohexan-1-one(7) with an oxidizing agent such as herein described at a temperature in the range of 20 to 30°C for a period ranging from 16 to 24 hrs, extracting the resultant with an organic solvent such as herein described, washing with sodium metabisulphite, brine, drying and evaporating to obtain 6-hydroxymethyl-4-(tert-butyldimethylsilyloxy)-4R,6S)-tetrahydro-2H-2-pyranone.

(Complete Specification Pages 11 Drawing NIL Sheets)

Indian Classification : 155 F 194301  
International Classification<sup>4</sup> : E04F 13/00  
Title : "A PROCESS FOR THE MANUFACTURE OF ACOUSTIC/INSULATION TILES FROM ROCK WOOL (SLAG WOOL) FIBRES."  
Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).  
Inventors : NORI KRISHNAMURTI.  
BHAMDIPALLI SUBRAMANYA SITARAMAM AVANCHA.  
RAMAKRISHNA SASTRY.  
DEEKHITULA BHASKARA.  
ROHINI KUMAR-All Indian.

Kind of Application : Complete

Application for Patent Number 2295/DEL/1995 filed on 13.12.1995.  
Complete left after provisional on 27.12.96

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

( 08 Claims )

A process for the manufacture of acoustic/insulation tiles from rock wool (slag wool) fibers which comprises;

- a) cleaning the rock wool (slag wool) fibers by known methods as herein described
- b) treating 75% of the cleaned rock wool fiber with 30 wt% of a hydrophobic emulsion containing Distilled water 75%, Polyvinyl alcohol 1%, mineral wax or polymers herein described 14%, liquid paraffin 8% and stearic acid 2%,
- c) mixing the treated wool fibers using an agitator such as planetary mixer or attritor mixture with 7 to 8 wt% of binder and 7 to 8 wt% of fillers as herein described in the presence of water in the ratio 8-14 (ml.) : 1 (gm) of rock wool fiber.
- d) Pouring the resultant aqueous dispersion into a mould and pressing to squeeze out the water,
- e) Heat treating the mould tile at a temperature in the range of 150 to 220°C for a period of 3 to 7 hours and if required, smoothening the one surface of tile by conventional method and applying a water dilutable bacteriostatic dispersion paint of the kind as here described on the tile surfaces.

(Provisional Specification 02 Pages Drawings Nil Sheets)

(Complete Specification 10 Pages Drawings Nil Sheets)

Indian Classification : 55E, 194302

International Classification<sup>4</sup> : A 61K 31/00

Title : "A PROCESS FOR THE PREPARATION OF A NOVEL 3-HYDROXY-5-(TERT-BUTYLDIMETHYL SILYLOXY)-(3R,5S)-CYCLOHEXAN-1-ONE USEFUL AS AN INTERMEDIATE FOR 6-HYDROXYMETHYL-4-(TERT-BUTYLDIMETHYLSILYLOXY)-(4R,6S)-TETRAHYDRO-2H-2-PYRANONE".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : SANDEEP RAGHUNATH GHORPADE  
UTTAM RAMRAO KALKOTE  
SUBHASH PRATAPRAO CHAVAN  
SUNIL RAMCHANDRA BHIDE  
THOTTAPPILLIL RAVINDRANATHAN.  
ALL INDIAN.

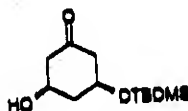
Kind of Application : COMPLETE

Application for Patent Number 79/DEL/2001 filed on 31/01/2001.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi - 110 008.

(05 Claims)

A process for the preparation of a novel 3-hydroxy-5-(tert-butyl dimethyl silyloxy)-(3R,5S)-cyclohexan-1-one having formula 1



useful as an intermediate for 6-hydroxymethyl-4-(tert-butyl dimethyl silyloxy)-4R,6S)-tetrahydro-2H-2-pyranone which comprises hydrolyzing 3-oxo-5-(tert-butyl dimethyl silyloxy)-(1S,5S)-cyclohexylacetate(2) with lipase enzyme in a buffer having pH ranging from 24 to 48 hours, extracting the reaction product with an aliphatic organic solvent, removing the solvent by evaporation and by column chromatography to obtain 3-hydroxy-5-(tert-butyl dimethyl silyloxy)-(3R,5S)-cyclohexan-1-one.

(Complete Specification Pages 11 Drawing NIL Sheets)

Indian Classification : 55E4; 32F<sub>2(a)</sub> 194303

International Classification<sup>4</sup> : C07D 211/90; A 61K 31/455

Title : "AN IMPROVED PROCESS FOR THE PREPARATION OF ALKYL 4[2-(PHTHALIMIDO)ETHOXY]-ACETOACETATE".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : ROHINI RAMESH JOSHI  
RAMESH ANNA JOSHI  
THOTTAPPILLIL RAVINDRANATHAN-  
ALL INDIAN.

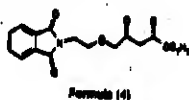
Kind of Application : COMPLETE

Application for Patent Number 260/DEL/2002 filed on 20/03/2002.

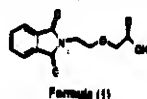
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi - 110 008.

(04 Claims)

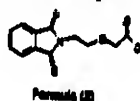
An improved process for the preparation of alkyl 4[2-(phtthalimido) ethoxy]-acetoacetate having formula (4),



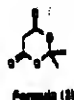
which comprises reacting 2-(phtthalimido)-ethoxyacetic acid of the formula (1)



with 100 parts of thionyl chloride to obtain the compound having formula (2)



followed by reacting compound of formula (2) with 50 parts of Meldrum's acid having formula (3)



in toluene in the presence of a base such as herein described at temperature ranging between 5-10°C, acidifying with dilute HCl, extracting in an organic solvent such as herein described removing the solvent and refluxing the residue with anhydrous ethyl alcohol to obtain alkyl 4[2-(phtthalimido)ethoxy]-acetoacetate.

(Complete Specification Pages 08 Drawing NIL Sheets)

Indian Classification	:	32 F <sub>3</sub> (C) ; 55 E4	194304
International Classification <sup>7</sup>	:	C07C 2/00 ; A61K 31/00	
Title	:	"AN IMPROVED PROCESS FOR PREPARATION OF CUMENE USING CATALYTIC MEMBRANE REACTOR."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	VIJAY VASANT BOKADE - INDIAN ULHAS KANHAIYALAL KHARUL - INDIAN	
Kind of Application	:	Complete	

Application for Patent Number 0395/Del/2002 filed on 28<sup>th</sup> March 2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 12 Claims )

An improved process for preparation of cumene using catalytic membrane reactor, which comprises; reacting isopropyl alcohol with benzene in a molar ratio of benzene to isopropyl alcohol in the range of 1:1-8:1, optionally in presence of a carrier gas as herein described in a catalytic membrane reactor (CMR) as herein described having polymeric membrane optionally impregnated with a zeolite catalyst, at a temperature in the range of 190-400°C, at a liquid hour space velocity (LHSV) in the range of 1 to 6 h<sup>-1</sup> and at a pressure of 1 to 10 bar in presence of zeolite catalyst, optionally CMR containing an inert packing material as herein described, separating the product from reaction mixture by known methods.

(Complete Specification 18 Pages Drawings 2 Sheet)

Indian Classification :- 4 A 194305

International Classification<sup>7</sup> :- B 64 C 27/41

Title :- "AN IMPROVED DEVICE USEFUL FOR HOLDING AND EFFECTING SWIVELING MOVEMENT OF A CONTROL SURFACE".

Applicant :- COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001.

Inventors :- BANGALORE RAMASWAMAPPA SOMASHEKAR - INDIA  
MADDELA SUBBA RAO - INDIA  
RISHINARADAMANGALAM VISWANATHAN KRISHNAN - INDIA  
GIDNAHALLI NARAYANA REDDY DAYANANDA - INDIA

Kind of Application PROVISIONAL/COMPLETE

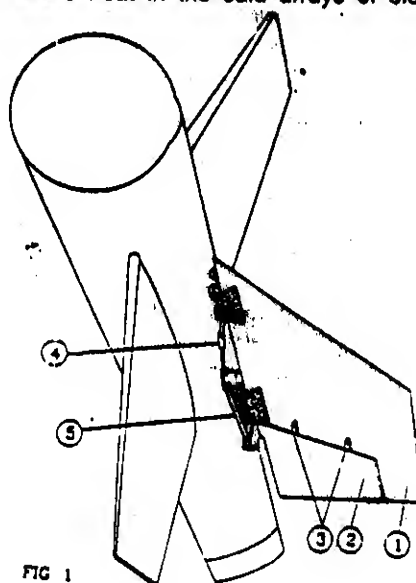
Application for Patent Number 655/del/1996 filed on 27/03/1996

Complete left after Provisional Specification filed on 29/11/1996.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 04 )

An improved device useful for holding and effecting swiveling movement of a control surface which comprises a plurality of elements (7) of a shape memory alloy, characterised in that the said elements being fixed on a movable control surface (2) and a fixed surface (1) in such a manner so as to form two arrays of the elements (9 and 10) on both the sides of the control surface, the ends of the said elements (7) of the said arrays being connected to a bus bar (6), the said bus bar (6) being connected to an electrical power source (8) so as to generate heat in the said arrays of elements (7) for effecting the desired movement of a control surface.



Provisional Specification	No of Pages	03	Drawings Sheets	02
Complete Specification	No of Pages	14	Drawings Sheets	04

Indian Classification :- 55 D2 194306

International Classification<sup>7</sup> :- C 07D 237/00

Title :- "A process for the preparation of 1-(2chloro-5-methyl-3-pyridylmethyl)-2-nitroiminoimadazolidine."

Applicant :- COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India, an Indian registered body incorporated under the registration of societies Act.

Inventors :- BHIMAPAKA - CHINARAJU - INDIAN  
VAIDYA JAYATHIRTHA RAO - INDIAN

Kind of Application :- COMPLETE

Application for Patent Number 1103/del/2001 filed on 31/10/2001

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 5 )

A process for the preparation of 1-(2chloro-5-methyl-3-pyridylmethyl)-2-nitroiminoimadazolidine which comprises:

- i) reacting 2-chloro-5-methylpyridine-3-carbaldehyde with sodium borohydride to obtain 2-chloro-3-hydroxymethyl-5-methyl pyridine.
- ii) reacting 2-chloro-3-hydroxymethyl-5-methyl pyridine with thionyl chloride to obtain 2-chloro-3-chloromethyl-5-methyl pyridine.
- iii) reacting 2-chloro-3-chloromethyl-5-methyl pyridine with 2-nitroiminoimidazolidine in the molar ratio of 1:1.2 in the presence of an organic solvent and base as herein described at a temperature ranging between 25 to 30°C for a time period in the range of 5 to 10 hours to obtain the said product.

Complete  
Specification

No of Pages

06

Drawings Sheets

NIL

Indian Classification : 55 DI 194307

International Classification<sup>7</sup> : A01N 65/00

Title : "A METHOD OF PREPARATION OF HERBAL INSECT REPELLENT."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).

Inventors : DINESH KUMAR - INDIAN  
YOGENDRA NATH SHUKLA - INDIAN  
SHIKHA TEWARI - INDIAN  
RAVI PRAKASH BANSAL - INDIAN  
JANAK RAJ BAHL - INDIAN  
SUSHIL KUMAR - INDIAN

Kind of Application : Complete

Application for Patent Number 0015/Del/2002 filed on 10<sup>th</sup> Jan. 2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 10 Claims )

A method for the preparation of the insect repellent composition, said method comprising the step of mixing the essential oil of *Cymbopogon winterianus*, *Cedrus deodera*, *Artemisia annua* waste powder, *Chrysanthemum cinerariaefolium* powder, together with binder powders of *Acacia nilotica*, *Santalum album*, *Litesia glutinosa*, *Pinus roxburghii*, *Tagetes minuta* powder in the ratio of about 0.1-1:0.1-0.5-1.5:0.5-1.5:2-6:1-3:8-15:1-3:1-3 respectively.

(Complete Specification 13 Pages Drawings Nil Sheet)

Indian Classification	:	32 F <sub>2</sub> (C) ; 55 E4	194308
International Classification <sup>7</sup>	:	A61K 31/00; A23C 21/00; B01J 13/00	
Title	:	"AN IMPROVED PROCESS FOR THE RECOVERY OF PROTEINS FROM CHEESE WHEY"	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	CHINNASWAMY ANANDHA RAMAKRISHNAN, RAJENDRA KUMAR SURESH BARHATE, KARUMANCHI SREESAILA MALLIKARJUNA SRINIVASA RAGHAVARAO - ALL INDIANS	
Kind of Application	:	Complete	

Application for Patent Number 225/Del/2002 filed on 14<sup>th</sup> March 2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 5 Claims )

An improved process for the recovery of proteins from cheese whey by aqueous two-phase extraction which comprises;

- a) preparing a mixture of polyethylene glycol, di-potassium hydrogen phosphate and potassium di-hydrogen phosphate in a ratio of 10-16:5-8:3-4,
- b) adding cheese whey in a ratio of 1:5-6.5 (w/w) of polyethylene glycol to the above said mixture,
- c) stirring the above mixture for a period of 20-40 min by using a mechanical agitated contractor,
- d) allowing the phases formed in the above said mixture to separate in a separating funnel for period of 5-12 hrs and separating the top protein rich phase,
- e) adding peg to the above said protein containing phase, mixing thoroughly and phase separating by known methods as herein described to obtain the desired fat free protein concentrated phase, and PEG phase.

(Complete Specification 8 Pages Drawings Nil Sheet)

Indian Classification	:	83 A <sub>2</sub> ; 182 B	194309
International Classification <sup>7</sup>	:	A23L 1/105	
Title	:	"A PROCESS FOR THE PREPARATION OF FRUCTOOLIGOSACCHARIDES CONSISTING OF TRISACCHARIDES, TETRASACCHARIDES AND PENTASACCHARIDES USING CEREAL BRAN."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	SIDDALINGAIYA GURUDUTT PRAPULLA, PARIYARATH THONDRE SANGEETHA, MYSORE NAGARAJA RAO RAMESH - ALL INDIANS	
Kind of Application	:	Complete	

Application for Patent Number 163/Del/2002 filed on 28<sup>th</sup> Feb. 2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 3 Claims )

A process for the preparation of fructooligosaccharides consisting of trisaccharides, tetrasaccharides and pentasaccharides using cereal bran which comprises :

- a) growing the culture of *Aspergillus oryzae* in a medium consisting of 1 % sucrose and 0.2 % yeast extract at a pH ranging between 5 to 6 and temperature ranging between 25-35 °C,
- b) shaking the above said medium at 200 - 250 rpm for a period of 24 - 48 h to obtain inoculum containing single species of organism,
- c) transferring 10-25 % of the above said inoculum to 10 g of sterilized solid substrate selected from wheat bran, rice bran and oat bran with a moisture content of 25 -60 %,.

- d) mixing the above said substrate manually and incubating it for a period of 48-120 hrs at temperature of 25-35°C to obtain moldy bran,
- e) adding water to moldy bran to obtain moldy bran suspended in water,
- f) incubating the flasks containing the suspended moldy bran on a rotary shaker at 200-220 rpm for a period of 1-2 h,
- g) separating the bran by conventional filtration methods to obtain extract,
- h) centrifuging the above said extract at 10,000-15,000 rpm at a temperature in the range of 0-4°C for a period of 15-20 min to produce extracellular enzyme fructosyl transferase,
- i) incubating the extract having enzyme fructosyl transferase with sucrose for a period ranging from 18-20 h at a temperature in the range of 50-60°C at pH 5-5.5 to obtain fructooligo saccharides consisting of trisaccharides, tetrasaccharides & pentasaccharides.

(Complete Specification 15 Pages Drawings Nil Sheet)

Indian Classification	206 E	194310
International Classification <sup>7</sup>	H 03 K 18/00	
Title	"AN IMPROVED LOGIC DEVICE USED FOR FAST LOGIC IMPLEMENTATION"	
Applicant	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001.	
Inventors	NARAYANAN CHANDRAKUMAR - INDIA.	
Kind of Application	PROVISIONAL/COMPLETE	

Application for Patent Number 2133/del/1995 filed on 21/11/1995  
Complete left after Provisional Specification filed on 21/2/97.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi  
Branch - 110 008.

( Claims 07 )

An improved logic device used for fast logic implementation which comprises a resonant radio frequency (RF) source (21) having continuous-wave (CW) RF output, the said CW RF output being fed to a modulator/driver (22) connected to a pulser (29) providing a DC gating pulse, the resultant RF pulse being connected to the input of a power amplifier (23), the power amplifier output being connected simultaneously characterized in that to a probe head (27) housing a spin system in the centre of magnetic field (26), generated by means such as herein described the probe head (27) output being connected to the preamplifier/receiver (24), which also gets a reference input from the RF source (21), the output of the said preamplifier/receiver (24) being connected through an analog-to-digital converter (ADC) (25) to a conventional computer device (30) capable of providing timing & performance control, another input to the said probe head (27) being also connected to a gradient control unit (28) capable of providing orthogonal gradient pulses for addressing memory elements in the said spin system.

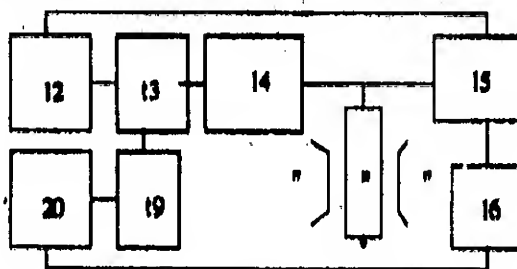


Figure 3.

Provisional specification	No of Pages	06	Drawing sheets	02
Complete Specification	No of Pages	18	Drawings Sheets	02

Indian Classification : 32F<sub>3(d)</sub> 194311

International Classification<sup>4</sup> : C07C 67/00; 49/00; C09B 11/00.

Title : "A PROCESS FOR THE PREPARATION OF KETO ESTERS USING SOLID ACIDS AS CATALYSTS".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : SUBHASH PRATAPRAO CHAVAN  
SHUBHADA WASUDEO DANTALE  
ALIVE KESHAVARAJA  
ARUMUGAMANGALAM VENKATARAMAN RAMASWAMY  
PUDUKLATAN KADAR ZUBAIDHA-ALL INDIAN.

Kind of Application : COMPLETE

Application for Patent Number 2478/DEL/1995 filed on 29/12/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(06 Claims)

A process for preparation of Keto esters using solid acids as catalyst which comprises;

- a) mixing of 1 equivalent or more of corresponding appropriate Keto esters such as herein described, 1 equivalent or more of alcohols such as herein described and solid acid catalyst such as herein described and solid acid catalyst such as herein described 5 to 30% by wt. of Keto ester, optionally substituted in the range of 0.1 to 10% and optionally have group III B metal oxides such as yttria, Scandia or lanthana as dopants in a solvent such as toluene,
- b) heating the mixture in the temperature range 70 to 120°C at atmospheric or reduced pressure,
- c) filtering the catalyst and concentrating the filtrate by known methods such as herein described to obtain the product.

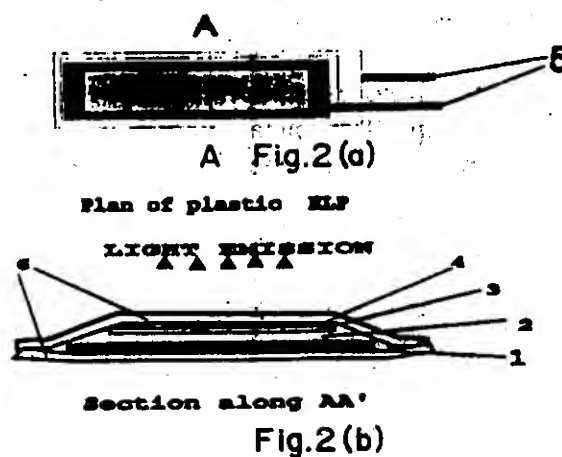
(Complete Specification Pages 16 Drawing NIL Sheets)

Indian Classification	2 B 3	194312
International Classification <sup>7</sup>	H 01 J 1/62, G 09 F 13/00	
Title	" A PROCESS FOR THE FABRICATION OF FLAT AND FLEXIBLE ELECTROLUMINESCENT PANEL USEFUL FOR DISPLAYS AND ILLUMINATION "	
Applicant	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001.	
Inventors	PRADEEP KUMAR GHOSH - INDIA. VIRENDRA SHANKER - INDIA HARISH CHANDER - INDIA	
Kind of Application	COMPLETE	
Application for Patent Number	2373/del/1995	filed on 21/12/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi  
Branch - 110 008

( Claims 14 )

A process for the fabrication of flat and flexible electroluminescent panel useful for displays and illumination which comprised preparing a slurry by mixing electroluminescent phosphor with a binder of matching dielectric constant with or without solvent, characterised in that spreading the said slurry so prepared on a flexible conducting substrate (1) of thickness 40-150 um in form of a uniform layer (2) of thickness 10-250 um, curing the said coated layer (2) so formed, the said cured coated substrate (1,2) being recoated with a slurry of translucent conducting powder (3) in a plastic binder, curing the said coating, forming a grid (4) over the said coated substrate (1,2,3) using a conducting paste, fixing leads (5) to the conducting substrate (1) and the grid (4) and then finally encapsulating (6) the said coated substrate (1) and the grid (4) and then finally encapsulating (6) the said coated substrate so obtained using a transparent plastic material by known methods.



Complete Specification

No of Pages

10

Drawings Sheets

01

Indian Classification	-	126 A	194313
International Classification <sup>7</sup>	-	G 01N 27/00	
Title	-	"A PROCESS FOR THE FABRICATION OF SOLID STATE ELECTROCHEMICAL SO <sub>x</sub> GAS SENSOR"	
Applicant	-	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, India, an Indian registered body incorporated under the Registration of Societies Act.	
Inventors	-	KAMAL MAHARAJDEEN SINGH – INDIAN. SHYAMSUNDAR SHASHIBHUSHAN BHOGA - INDIAN	
Kind of Application	-	COMPLETE	
Application for Patent Number	2640/del/1996	filed on	29/11/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 5 )

A process for the fabrication of a solid state electrochemical so<sub>x</sub>gas sensor which comprises:

- (i) preparing a solid electrolyte by the process as described herein,
- (ii) preparing a reference electrolyte by mixing silver powder of >300 mesh with Ag<sub>2</sub>SO<sub>4</sub> in a ratio in the range of 2:1 to 2:2 by weight, followed by pelletization at a pressure in the range of 5-10 tons/sq cm,
- (iii) embedding the Ag+Ag<sub>2</sub>SO<sub>4</sub> reference electrode obtained in step (ii) in graphite/silver such that only one flat surface is uncovered,
- (iv) sprinkling pulverized and homogeneously blended composite electrolyte obtained in step (i) evenly over the exposed portion of the said embedded reference electrode followed by pressing at a pressure in the range of 5-10 tons/sq cm, sprinkling platinum powder over the electrolyte surface and pressing at a pressure in the range of 7-10 tons/sq.cm to form a stack, sintering the said stack at a temperature in the range of 20-30°C above the glass transition temperature, T<sub>g</sub>, for a period in the range of 1 to 3 hours so as to form insitu glass bonded electrochemical sensor.

Complete Specification

No of Pages

12

Drawings Sheet

nil

Indian Classification	:-	1 C	194314
International Classification <sup>7</sup>	:-	C 09J 193/00	
Title	:-	"A PROCESS FOR THE PREPARATION OF SOLVENT BASED PRESSURE SENSITIVE ADHESIVE FROM GUM OLIBANUM RESINIOD"	
Applicant	:-	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India, an Indian registered body incorporated under the Registration of Societies Act.	
Inventors	:-	NORI KRISHNAMURTI - INDIAN BHAMIDIPALLI SUBRAHMANYA SITARAMAM - INDIAN AVANCHA RAMAKRISHNA SASTRY - INDIAN DEEKSHITULA - BHASKARA ROHINI KUMAR - INDIAN	
Kind of Application	:-	COMPLETE	
Application for Patent Number	2499/del/1996	filed on	15.11.1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 3 )

A process for the preparation of solvent based pressure sensitive adhesive from gum olibanum resiniod which comprises dissolving acetone extracted gum olibanum resenoid and natural creape rubber in toluene, dissolving a phenolic resin, zinc oxide, paraffin oil, antioxidants in an organic solvent such as herein described, mixing the two solutions for a period of 8 to 16 hrs to get the desired pressure sensitive adhesive wherein 8 to 9 weight % of the solvent extracted resenoid, 6 to 7 weight % of the natural creap rubber, 10 to 12 weight % of phenolic resin, 5 to 6 weight % of zinc oxide, 2 to 3 weight % of paraffin oil, 0.1 to 0.5 weight % of antioxidants and 60 to 70 weight % toluene are present in the said pressure sensitive adhesive.

Complete Specification	No of Pages	09	Drawings Sheets	Nil
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Indian Classification 32 C 194315

International Classification<sup>7</sup> C 12P 7/00

Title "AN IMPROVED PROCESS FOR THE PREPARATION OF REGIOSELECTIVE SYNTHESIS OF 1,2 - AZIDOALCOHOLS AND THEIR RELATED ANALOGUES".

Applicant COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India, an Indian registered body incorporated under the Registration of Societies Act.

Inventors AHMED - KAMAL - INDIAN  
YALAMATI - DAMAYANTHI - INDIAN  
MADDAMSETTY VENKATESWARA RAO - INDIAN

Kind of Application COMPLETE

Application for Patent Number 2634/del/1996 filed on 29.11.96

Appropriate offices for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 6 )

An improved process for the preparation of regioselective synthesis of 1,2-azidoalcohols and their related analogues of formula 1



Formula 1

wherein R represents a phenyl, aryl and naphthyl which comprises:

- i) dissolving substituted aryloxy - 2,3-epoxypropanes as herein described and prepared by known methods in an organic solvent such as herein described,
- ii) adding lipozyme to the above said solution and stirred at ambient temperature,
- iii) adding trimethylsilylazide to the above resulting mixture,
- iv) incubating the resulting mixture at a temperature range of 20-50°C for 2 to 5 days,
- v) filtering off the enzyme lipozyme,
- vi) evaporating the resultant solution to obtain residue,
- vii) purifying the residue by conventional column chromatography, to obtain 1,2 azidoalcohols.

Indian Classification	:	206E	194316
International Classification <sup>4</sup>	:	H04J - 3/00	
Title	:	"APPARATUS FOR DECODING AND REVERSE PLAYBACK OF AN ENCODED DIGITAL SIGNAL."	
Applicant	:	SONY CORPORATION, a Japanese company of 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, Japan.	
Inventors	:	MAKOTO KAWAMURA YASUSHI FUJINAMI-BOTH JAPANESE.	
Kind of Application	:	Convention-Complete	

Application for Patent Number 191/DEL/1996 filed on 29.01.1996.  
Convention date 31/01/1995/ P07-32940/ JP.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

( 03Claims )

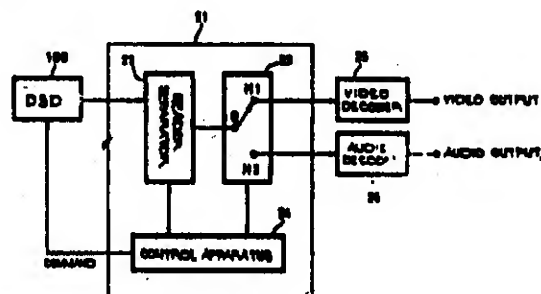
Apparatus for decoding and reverse playback of an encoded digital signal comprised of a plurality of picture data which are stored in a digital storage means (100) at a plurality of respective data location, wherein a reverse playback operation commences at a selected one to said picture data, apparatus (80) characterized by:

A memory (88) for storing first and second data location of first and second decoding data units respectively, wherein said first and second decoding data units are comprised of a plurality of picture data;

A device (87) for retrieving from said digital storage means (100) at said first and second data allocations said first and second decoding data units, respectively;

A decoder (85) connected to said device for decoding said preceding picture data as a function of said first decoding data unit and, depending on a location of said preceding picture, of said second decoding data unit.

FIG. 4



(Complete Specification 45Pages Drawings 15Sheets)

Indian Classification	:-	29 B	194317
International Classification <sup>7</sup>	:-	G 11 B 7/09	
Title	:-	" AN OPTICAL DISC REPRODUCING APPARATUS AND METHOD "	
Applicant	:-	SONY CORPORATION, of 7-35, Kitashinagawa, 6-Chome, Shinagawa-ku, Tokyo, Japan.	
Inventors	:-	MASANOBU NISHIKATA - JAPAN.	
Kind of Application	:-	COMPLETE	
Application for Patent Number	2101/del/1995	filed on	16/11/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi  
Branch - 110 008.

( Claims 11 )

An optical disk reproducing apparatus comprising: a pickup for reading recorded data from an optical disk; focus error signal generating means for generating a focus error signal from light read out by said pickup; focus search means for supplying a focus drive signal to said pickup to perform a focus search; characterized by detector means for detecting a desired recording layer in response to said focus error signal; and control means for stopping the supply of said focus signal in response to a detection signal from said detector means.

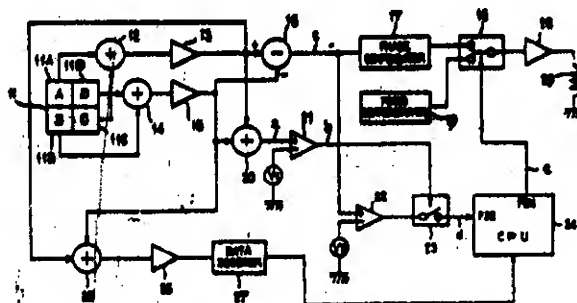
FIG. 2

Complete Specification

No of Pages 20

Drawings Sheets

05



Indian Classification	40 F	194318
International Classification <sup>7</sup>	C 12 M 3/00, B 01 D 53/85	
Title	"APPARATUS FOR THE TREATMENT OF GASES CONTAINING CARBON DIOXIDE".	
Applicant	THOMAS LORENZ, of Hansastr. 75, 49134 Wallenhorst-Hollage, Germany.	
Inventor	THOMAS LORENZ - GERMAN	
Kind of Application	COMPLETE/CONVENTION	

Application for Patent Number 1251/del/1996 filed on 07/08/1996

Convention No. 19522429.9/Germany/21/06/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 05 )

Apparatus for the treatment of gases containing carbon dioxide by a fluid containing algae comprising a reactor vessel to be illuminated, in which light energy is supplied to the algae, the reactor vessel being a large-area element (1) and permeable to light at least on one of its two surfaces, characterised in that said large-area element (1) is dual or multi-layered, there being provided a fluid-conveying layer (2) and a thermally insulating layer (4).

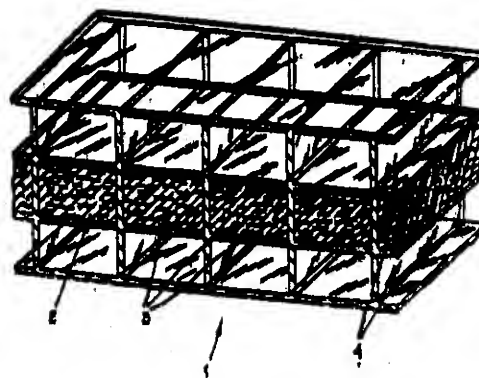
FIG. 1

Complete Specification

No of Pages

11

Drawing Sheets 01



Indian Classification :- 133 B 194319

International Classification? :- H 02 P

Title :- "A REGULATOR FOR FEEDER LINES SUITABLE FOR INDUCTION MOTOR LOAD AND INDUCTION GENERATOR SOURCE".

Applicant :- BHARAT HEAVY ELECTRICALS LIMITED, an Indian Company of BHEL House, Siri Fort, New Delhi - 110 049.

Inventors :- BRAHMA SWARUP GUPTA - INDIA

Kind of Application :- PROVISIONAL/COMPLETE

Application for Patent Number 116/del/1996 filed on 17/01/1996

Complete left after Provisional Specification filed on 14/01/1997

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 07 )

A regulator for feeder lines suitable for induction motor load and induction generator source characterized in that it comprises a series reactor ( $L_1$ ) of value 0.25 to 0.40 per unit reactance, a plurality of shunt reactors ( $L_2, L_3$ ) having value between 0.25 to 0.40 pu, working in a closed loop with a plurality of capacitors ( $C_1 - C_7$ ) and an electronic controller wherein said shunt reactors ( $L_2, L_3$ ) and said capacitors ( $C_1 - C_7$ ) are adapted to be switched on/off when output voltage  $V_o$  is beyond the desired normal voltage  $V_{nom} \pm 5\%$  and when output voltage is less than  $V_{nom} - 5\%$ , a decoder counter is adapted to count up and switch on capacitors till  $V_o$  comes within said desired normal voltage limit, and wherein a decoder counter is adapted to count down when  $V_o$  exceeds  $V_{nom} + 5\%$  till  $V_o$  is within said desired normal voltage limit and wherein said output voltage is adapted to remain regulated within said desired normal voltage limits irrespective of input voltage variation from -30% to 20% and load variation from no load to full load.

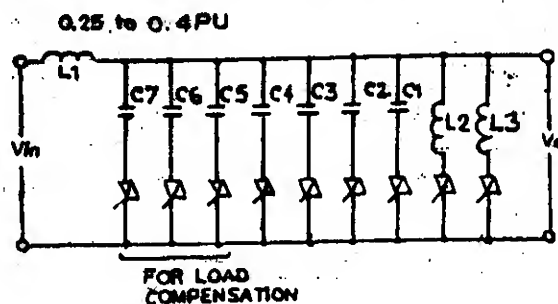


Fig. 1

Provisional Specification

No of Pages 05

Drawings Sheets

Complete Specification

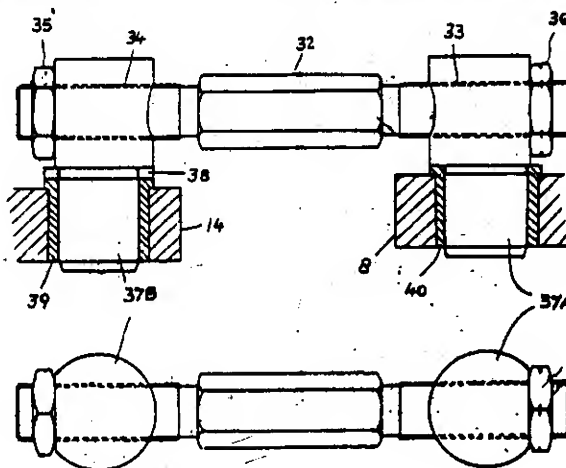
No of Pages 10

Drawings Sheets

Indian Classification	190 C	194320
International Classification <sup>7</sup>	F03 B	
Title	"A guide apparatus linkage for hydro turbines."	
Applicant	Bharat Heavy Electncals Ltd, BHEL HOUSE, SIRIFORT, NEW DELHI-110 049. INDIA.	
Inventors	KARRI - PRASAD -INDIA, PRADEEP - SINGHAL -INDIA.	
Kind of Application	PROVISIONAL/COMPLETE	
Application for Patent Number	1567/Del/1995	filed on : 23/08/1995
Complete left after Provisional Specification filed on	23/08/1995 Complete filed on : 01/01/1900	
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.		

( Claims 5 )

A guide apparatus linkage for hydro turbines comprising a coupler (32) having left hand (33) and right hand (34) threads, right and left hand locknuts (35, 36) regulating ring (8) and strap (14) fixed to the guide vanes (1), link pins (37A, B), spacers (38), buses (39, 40), characterised in that said coupler (32) having left hand (33) and right hand (34) threads at both ends directly being coupled with said link pins (37A, B) with locknuts (36, 37) and connects said regulating ring (8) with strap (14) fixed to the guide vanes (1), wherein the space between said link pin (37A, B) centres holds only two lock nuts (35, 36) for a compact linkage.



Provisional Specification	No of Pages	7	Drawings Sheets	
Complete Specification	No of Pages	10	Drawings Sheets	4

Indian Classification : 32E 194321

International Classification<sup>4</sup> : C07C 117/00; C06B 045/10

Title : "AN IMPROVED PROCESS FOR PREPARATION OF GLYCIDYL AZIDE PREPOLYMER"

Applicant : THE CHIEF CONTROLLER OF RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, TECHNICAL COORDINATION DTE., B-341, SENA BHAWAN, DHQ P.O. NEW DELHI, INDIA

Inventors : BHALCHANDRA KESHAV ATHAWALE..  
SHRI NANDAN ASTHANA  
MADHAV VISHWANATH VAIDYA  
RAM DAS BHUSAHEB GHAVATE  
PRABHAKAR GOPAL SHROTRI  
HARIDWAR SINGH-all Indian

Kind of Application : Complete

Application for Patent Number 491/DEL/96 filed on 08.03.96.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

( 02 Claims )

An improved process for preparation of glycidyl azide prepolymer comprising the steps of:

- (a) reacting 1 part by weight of ethylene glycol with 2 parts by weight of 1,1,1 trichloroethane in a reaction chamber fitted with a magnetic stirrer and heater, heating the reaction mixture to 65 to 75°C for about 1 hours.
- (b) Adding epichlorohydrine (ECH) to the said reaction mixture drop by drop in ratio of 1 part by weight of ECH to 1 part by weight of ethylene glycol, stirring the mixture, raising the temperature of the said reaction mixture to 80 to 85°C and maintaining this temperature for 15 to 20 hours;
- (c) Cooling the said reaction mixture to ambient temperature and extracting glycidyl azide prepolymer with dichloromethane in the ratio of 300 ml of dichloromethane to each mole of ethylene glycol at ambient temperature, washing the resulting product with water;
- (d) Drying the resulting product of step (c) over sodium sulphate at ambient temperature in the ratio of 100 g of sodium sulphate to 1 mole of ethylene glycol to obtain dry glycidyl azide prepolymer.

(Complete Specification 06 Pages Drawings NIL Sheets)

Indian Classification	:	32 E	194322
International Classification <sup>7</sup>	:	C08J 5/22	
Title	:	"A PROCESS FOR PREPARATION OF ION EXCHANGE MEMBRANES."	
Applicant	:	THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVT. OF INDIA, NEW DELHI B-341, SENA BHAWAN, DHQ P.O. - 110011. AN INDIAN NATIONAL.	
Inventors	:	ASKARAN DEODIDAR PUROHIT, MOTILAL PRAJAPAT, UPENDRA KUMAR DAVE, RAMNIVAS SHARMA - ALL INDIANS	
Kind of Application	:	Complete	

Application for Patent Number 246/Del/96 filed on 6<sup>th</sup> Feb. 1996.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 4 Claims )

A process for preparation of ion exchange membrane comprising the steps of :-

- (a) grinding wet conventional ion exchange resin to 150-200 mesh size, taking a 16.66kg ion exchange resin for every 100 metre ion exchange membrane;
- (b) drying the ground powder thus obtained by step (a) at a temperature of 55 to 60°C till moisture content reduces to 5 to 10%;
- (c) mixing PVC powder in cyclohexane solvent in small quantities at a time with constant stirring for about an hour till a clear transparent PVC solution is obtained, taking 25kg of cyclohexane, and 5.55kg of PVC powder per 100 metre of ion exchange membrane;
- (d) adding the dried resin powder obtained by step (b) in small quantities at a time to the PVC solution obtained by step (c) with constant stirring for half an hour obtaining a homogenous ion exchange slurry;

- (e) coating the ion-exchange slurry thus obtained by step (d) on a fabric by knife edged rubber rollers of calendering machine, followed by drying the coated fabric at 55-60°C, wherein the material for the fabric is selected from nylon, polypropylene and high density, polyethylene;
- (f) repeating the steps (a) to (e) above for coating the other side of fabric;
- (g) repeating the steps (a) to (f) to give at least two coatings on each side of fabric, followed by rolling of finished membranes obtaining desired ion exchange membranes;

(Complete Specification 9 Pages Drawings Nil Sheet)

Indian Classification	:-	32 C	194323
International Classification <sup>7</sup>	:-	C 11B 1/10	
Title	:-	"A PROCESS OF PREPARING AN IMPROVED HAIR OIL FROM COCONUT OIL".	
Applicant	:-	DEPARTMENT OF MICROBIOLOGY, of University of Delhi, South Campus, Benito Juarez Road, Delhi - 110 021, India, and DEPARTMENT OF BIOTECHNOLOGY, Ministry of Science & Technology, CGO Complex, Block II, Lodhi Road New Delhi - 110 003, India.	
Inventors	:-	RANI - GUPTA - INDIAN RAJENDRA - KUMAR SAXENA - INDIAN SAPNA - BRADDOO - INDIAN	
Kind of Application	:-	COMPLETE	
Application for Patent Number		760/del/1999	filed on 19/5/99

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 11 )

A process for preparing an improved hair oil from coconut oil by lowering the slip point and the acid value comprising: - interesterification of coconut oil by adding lyophilised enzyme to said coconut oil in the ratio of 10-100 mg (50-2000 U/mg) per 5 ml, in presence of an organic solvent and water activity ( $a_w$ ) 0.75-0.97 at 30-60°C for 1-12 hours in a rotary shaker at 50-150 rpm, and - removing the said enzyme and the solvent by filtration and heating/vacuum evaporation respectively to get the required oil.

Complete Specification	No of Pages	10	Drawings Sheets	32
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Indian Classification : 50-VII 194324

International Classification<sup>4</sup> : C13D-003/00; 003/06

Title : "AN IMPROVED PROCESS FOR PRODUCING WHITE SUGAR".

Applicant : TATA ENERGY RESEARCH INSTITUTE, A Society registered under societies Registration Act of India Habitat Centre, Lodhi Road, New Dehli-110 003 & TECHNOLOGY INFORMATION FORECASTING AND ASSESSMENT COUNCIL OF TECHNOLOGY BHAVAN, New Mehrauli Road, New Delhi-110 016, A Society registered under Societies Registration Act of India.

Inventors : MOHIT DUA  
MALINI BALAKRISHAN-BOTH INDIAN

Kind of Application : COMPLETE

Application for Patent Number 1573/DEL/1999 filed on 24/12/1999

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

( 03 Claims)

An improved process for producing sulphite-free white sugar comprising the step of :

- (a) milling sugar cane to obtain raw juice and heating the raw juice;
- (b) adding lime to heated raw juice obtained by step (a) and allowing the impurities to settle;
- (c) adding a known flocculating agent to the heated juice obtained from step (b) to assist settling of impurities and separating the clear juice;
- (d) concentrating the clear juice obtained from step (c) in evaporators; subjecting the concentrated juice to step of crystallization to obtain sulphite-free white sugar;

characterized in that:

the raw juice is heated to a temperature of 50° to 70°C in step (a) lime is added in sufficient quantity in step (b) to obtain a pH of 7.0 to 7.5

the clear juice obtained from step (c) is passed through a filter, the said filter comprises a single or plurality of membrane filters having spiral wound membrane supported on a hollow shaft having a molecular weight cut off rating of 10 to 300 k.Dalton, the said membrane being made of polymeric material selected from polyether sulfone.

(Complete Specification Pages 11 Drawing, Nil Sheets)

Indian Classification	:	55E <sub>4</sub>	194325
International Classification <sup>4</sup>	:	A23F-003/34+426/592	
Title	:	<b>"A PROCESS FOR PREPARATION OF A RADIOPROTECTIVE HERBAL EXTRACT".</b>	
Applicant	:	<b>ADDITIONAL DIRECTOR(IPR), Defence Research &amp; Development Organisation, Ministry of Defence, Govt. of India, B-341, Sena Bhawan, DHQ P.O., New Delhi-110 001.</b>	
Inventors	:	<b>HARISH CHANDRA GOEL RAJESH ARORA SHOBI VELERI THALAKKOTUR LAZAR MATHEW- ALL INDIAN.</b>	
Kind of Application	:	<b>COMPLETE</b>	

Application for Patent Number 1153/DEL/2000 filed on 13/12/2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office  
Delhi Branch, New Delhi - 110 008.

(05 Claims)

A process for preparation of a radioprotective herbal extract from leaves and stems of centella asiatica comprising the step of:

- (a) drying the plant material at a temperture of 25 to 30<sup>0</sup>C followed by drying at 30 to 60<sup>0</sup>C for 7 to 10 days for moisture removal;
- (b) grinding the dried leaves and stems in an electric grinder at a maximum temperature of 40<sup>0</sup>C to convert them into free flowing powder; passing the said free flowing powder through a strainer of mesh size 40 to obtain fine powder;
- (c) soaking the said fine powder in 50% HPLC grade ethyl alcohol in weight to volume ratio of 1:6 for 12 hours and allowing it to macerate at 25 to 35<sup>0</sup>C; repeating this step five times and filtering the supernatant liquid through whatman filter (3mm) to remove any solid materials; collecting the filtrate;
- (d) dipping the residual solid material in absolute alcohol for 3 to 5 minutes; collecting the filtrate;
- (e) combining the filtrates obtained in steps(c) and (d); adjusting the pH to 7.0 by using NaOH or KOH; evaporating the solvent at 45 to 60<sup>0</sup>C in a rotary evaporator; collecting the resulting viscous extract;
- (f) lyophilizing the said viscous extract for 18 to 24 hours in a lyophilizer to obtain the said radioprotective herbal extract.

Indian Classification	:-	107 G	194326
International Classification <sup>7</sup>	:-	F 02 B 77/00	
Title	:-	"AN IMPROVED CYLINDER BLOCK FOR 2-STROKE ENGINE".	
Applicant	:-	RAGHUBIR SINGH, WZ-191, Lane No. 4, Krishna Park (Tilak Nagar), New Delhi- 110 018.	
Inventor	:-	RAGHUBIR SINGH - INDIA	
Kind of Application	:-	COMPLETE	
Application for Patent Number	732/del/2000	filed on	11/08/2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.

( Claims 02 )

An improved cylinder block for 2-Stroke engine, comprising exhaust port (9) of hat like shape, being provided with an extra exhaust area, such that the width at lower part (9a) of the exhaust port, which is towards Bottom Dead Centre is enlarged up to 75% of the cylinder bore diameter (10) and the proportional height of the said lower part (9a) is in between 25% to 40% of the total height of the exhaust port (9) and the width at remaining upper part of the exhaust port (9), which is towards Top Dead Centre, is less as compared to its lower part (9a) and is in between 45% to 65% of the cylinder bore diameter (10).

Complete Specification No of Pages 05

Drawing Sheet 01

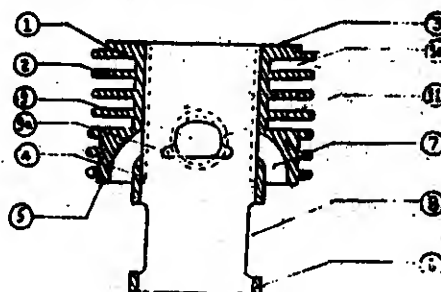


Fig. - 1

Indian Classification : 40-C 194327

International Classification<sup>4</sup> : C09K-003/00 + 252/388

Title : **"NOVEL SYNERGISTIC CORROSION INHIBITING COMPOSITION".**

Applicant : **JUBILANT ORGANOSYS LIMITED**, an Indian Company formed under the Companies Act, 1956, having its office at Plot No. 1-A, Sector-16A, Institutional Area, NOIDA-201 301, U.P. India.

Inventors : **RAJIV SRIVASTAVA  
SHAIENDRA KUMAR SINGH  
ASHUTOSH AGARWAL-ALL INDIAN.**

Kind of Application : COMPLETE

Application for Patent Number **95/DEL/2002** filed on **05/02/2002**.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(15 Claims)

A novel synergistic corrosion inhibiting composition comprising 0.01 to 0.1 % by weight of a thiocynate compound alongwith 30 to 97 % by weight of an alkarylated polyalkylpyridinium salt, 30 –70 % by weight of one or more alcohols, 10 to 30 % by weight of a surfactant and optionally, water up to 70% by weight.

(Complete Specification Pages 19 Drawing NIL Sheet)

Indian Classification : 55E-1 194328

International Classification<sup>4</sup> : A61K-39/12  
C12N-11/00

Title : "A PROCESS FOR PREPARATION OF CHIMERIC T HELPER-B CELL PEPTIDE VACCINE FOR JAPANESE ENCEPHALITIS VIRUS."

Applicant : The Secretary, Department of Biotechnology, B2, 7-8 Floor, CGO Complex, Lodhi Road, New Delhi- 110003, An Indian National; and National Institute of Virology, (Indian Council of Medical Research), 20-A Dr Ambedkar Road, Pune- 411001, An Indian National & University of Pune, Geneskhind, Pune-411007, An Indian University.

Inventors : MILIND MADHUKAR GORE.  
ASHOK SADANAD KOLASKAR  
URMILA DILIP KULKARNI-KALE-ALL INDIAN.

Kind of Application : Complete

Application for Patent Number 0013/DEL/2001 filed on 05/01/01.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

( 04. Claims )

A process for preparation of a chimeric T helper-B cell peptide vaccine for Japanese encephalitis virus comprising:

- (a) identifying virus stimulating antibody inducing B cell peptide sequences using single property of antigenicity of amino acid;
- (b) aligning of sequences of viruses from Japanese encephalitis, West Nile, Dengue, yellow fever and other flavivirous using CLUSTAL program;
- (c) identifying T helper stimulating peptide sequences using logical combination based on amino acid patterns and sequences;
- (d) designing chimeric peptides by combination of B cell and T helper peptides using three dimensional structure alignments;
- (e) synthesizing by incubating on an inert polymeric support comprising any commercially available resin at room temperature for 2 to 4 hours till the said amino acid is attached at C terminus to the said support with the help of N<sup>α</sup>-9-fluorenylmethoxycarbonyl (Fmoc) as N protecting group at a concentration of 3 millimolar; removing the said protecting group by mild base 10% piperidine in dimethyl formamide followed by washing with dimethyl formamide; sequential addition of the said amino acid with Fmoc

as N protecting group; repeating these steps till the last of the said amino acid is coupled; cleaving the said peptide from the supporting resin by using 100% trifluoroacetic acid to obtain chimeric peptide as a single co-linear peptide consisting of virus neutralizing anti-body inducing B-cell peptide epitope selected from 149-SENHGNYS AQVGASQAAKF-167, 39-PTLDVRMINI-48, 40-TLDVRMINIEA-50, 269-AIVVEYSSSVKLT-281 and 270-IVVEYSSSVKLT-282 and T-helper cell peptide selected from JE Egg 346-HVLGRLTTVN-355, JE M 17-EAWLDSTKAT-26, JE NSI 297-SVRTTTDSGKLITD-310, JE NSI 156-EDFGFGITSTRV-167, JE NSI 404-TDLARYVVL-412, JE Egg 427-GSIGGVFNSIGKAVHQVGG-445 and JE Egg 439-SIGGVFMSIGKAVHQ-455 of Japanese encephalitis virus envelope glycoprotein wherein about 50µg of the said peptide in aluminium hydroxide is taken to induce protective immunity against Japanese encephalitis virus infection in mice;

- (f) monitoring the completion of coupling reaction by detection of fluorenylmethoxycarbonyl (Fmoc) group by 20% piperidine solution in dimethyl formamide by measuring optical density at 415 nm using spectrophotometer;
- (g) cleaving the peptide from the resin by Trifluoroacetic acid (TFA)
- (h) precipitating peptide in super dry diethyl ether followed by HPLC purification and collecting peaks.
- (i) lyophilising the purified peptide to obtain the said vaccine;

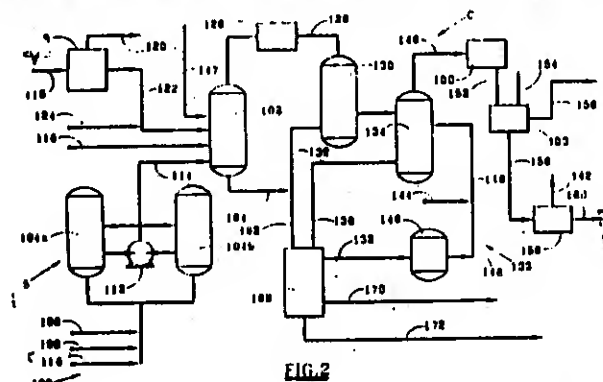
(Complete Specification 25 Pages Drawings 6 Sheets)

Indian Classification	:- 40 F	194329
International Classification <sup>7</sup>	:- C01 B 3/24	
Title	:- "A method for producing a hydrogen-rich synthesis gas product stream by low temperature conversion of low value hydro carbon streams."	
Applicant	:- THE M.W. KELLOGG COMPANY, of 601 Jefferson Avenue, Houston, Texas 77210-4557, United States of America.	
Inventors	:- EUSEBIUS ANKU GBORDZOE -GHANA, GUNNAR BAGGER HENNINGSEN -CANADIAN, DARRYL WAYNE HERTZ -U.S.	
Kind of Application	:- COMPLETE	
Application for Patent Number	1589/Del/1995	filed on 25/08/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( (Claims 24) )

A method for producing a hydrogen-rich synthesis gas product stream by low temperature conversion of low value hydrocarbon streams comprising gasifying a raw hydrocarbon stream in an essentially adiabatic pyrolysis zone at an elevated temperature in the presence of steam and recovering a synthesis gas effluent, characterized by the steps of: (a) introducing the raw hydrocarbon stream into a continuous stream of substoichiometric oxidation products containing finely divided particles from step (d); (b) passing the resulting mixture from step (a) through the pyrolysis zone under transport conditions to produce an effluent of hydrogen, light hydrocarbons, carbon monoxide and carbon dioxide, and to deposit carbon on the particles; (c) recovering the carbon-coated particles from the effluent of step (b) to obtain the synthesis gas essentially free of particles; (d) continuously supplying a primary portion of the recovered particles and a substoichiometric amount of reactive oxygen to a partial oxidation zone to form the stream of partial oxidation products for the hydrocarbon introduction step (a); and (e) adjusting the amount of reactive oxygen supplied to the partial oxidation zone in response to substantial fluctuations in the raw hydrocarbon stream, selected from mass flow rate, water content, carbon content of the hydrocarbon, atomic ratio of H:C in the hydrocarbon, and combinations thereof, to maintain an outlet temperature of the pyrolysis zone in step (b) between 870° C and 1090° C, and to obtain particles from the recovery step (C) having an average carbon deposition content between 0.5 and 40 percent by weight.



Indian Classification	:-	14 D2	194330
International Classification <sup>7</sup>	:-	H01M 2/12	
Title	:-	"Valve Regulated Lead Acid Battery."	
Applicant	:-	Eagle-Picher Industries, Inc., of 580 Walnut Street, Cincinnati, Ohio 45201, United States of America.	
Inventors	:-	GONZALO CAVIGLIA REY - Brazilian citizen.	
Kind of Application	:-	COMPLETE/CONVENTION	
Application for Patent Number	1565/Del/1995	filed on	22/08/1995

Convention No. 08/387,300//27/02/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 10 )

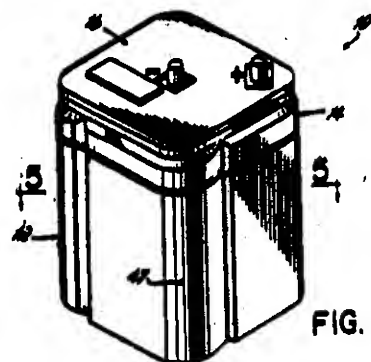
A valve regulated, lead-acid battery comprising a case, at least one plate compartment in the case, each said compartment containing plates and electrolyte, at least an electrolyte-absorbing chamber in said case for each said compartment, each said chamber having a vent to atmosphere, and a pressure regulating valve associated with each compartment, for releasing gas pressure within that compartment in excess of a predetermined value of the kind such as herein defined, each said valve having a downstream side which communicates with an inlet to a respective one of said chambers, characterized in that, each said chamber containing a gas permeable, electrolyte absorptive inert structure said absorptive structure positioned between said inlet and said vent of said chamber so that gas released through the downstream side of said valve flows through said absorptive structure in passing to the said vent, the path of contact of said gas within said absorptive structure being sufficiently long that droplets of said electrolyte entrained in said released gas are absorbed by said structure and are not swept out said vent.

Complete Specification No of Pages

17

Drawings Sheets

3



Indian Classification :- 39 E 194331

International Classification<sup>7</sup> :- C 10J 3/46

Title :- "A METHOD FOR REMOVAL OF SLAG FROM A PARTIAL OXIDATION REACTOR."

Applicant :- TEXACO DEVELOPMENT CORPORATION, office at 200 Westchester Avenue, White Plains, New York 10650, United States of America.

Inventors :- DUANE DONALD BROOKER - US  
JAMES SAMUEL FALSETTI - US

Kind of Application :- COMPLETE

Application for Patent Number 2254/del/1995 filed on 05/12/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 12 )

A method for the removal of slag from a partial oxidation reactor, wherein the slag, a byproduct of the gasification reaction of a petroleum based feedstock, including vanadium trioxide and a siliceous glass material, the method comprising:

- a. operating the reactor at controlled oxidation conditions and at a temperature of at least 2000°F;
- b. introducing therein a partial pressure of an oxidant gas sufficient to convert  $V_2O_3$  to  $V_2O_5$  and
- c. if desired adding vanadium containing material to the petroleum based feedstock for controlling the vanadium to glass weight ratio in the reactor to at least 3:2

Complete Specification

No of Pages

24

Drawings Sheets

02

Indian Classification	:	C07D- 498/10; G03C-001/685	194332
International Classification <sup>4</sup>	:	40	
Title	:	<b>"A PROCESS FOR MAKING THE ORGANIC PHOTOCHROMIC MATERIAL".</b>	
Applicant	:	<b>CORNING INCORPORATED, a corporation organized under the laws of the State of New York, United States of America, of Houghton Park Corning, New York 14831, USA.</b>	
Inventors	:	<b>DAVID HENRY-FRANCE JEAN JACQUES VIAL-FRANCE YOU-PING CHAN-FRANCE REMY MEYRUEIX-FRANCE</b>	
Kind of Application	:	<b>COMPLETE</b>	

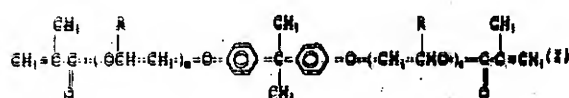
Application for Patent Number 2114/DEL/1995 filed on 17/11/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office  
Delhi Branch, New Delhi - 110 008.

(04 Claims)

A process for making the organic photochromic material of the kind such as herein  
described, said process comprising:

copolymerizing 30-95 wt% of an ethoxylated bisphenol A dimethacrylate having the formula (I)



where R=H or CH<sub>3</sub>, and m and n represent independently 1 or with 5-70 wt% of a polyurethane oligomer having terminal di- or triacrylic or di- or trimethacrylic functionality, in the presence of a diazo radical initiator and in the absence of peroxide radical initiator and optionally incorporating at least one photochromic dye into the polymer matrix by thermal diffusion of said dye into the matrix to produce said organic photochromic material.

Indian Classification :- 70 B, 130 H 194333

International Classification? :- G 01 N 17/00, G 01 N 27/30

Title :- "A REFERENCE ELECTRODE FOR MEASUREMENT OF THE ELECTROCHEMICAL POTENTIAL OF METAL IN A LIQUID".

Applicant :- ALCAN INTERNATIONAL LIMITED, of 1188 Sherbrooke Street West, Montreal, Quebec Canada - H3A 3G2.

Inventors :- DDUGLASS RONALD BOOMER - USA.  
CHRISTOPHER JOHN NEWTON - U.K.  
JONATHAN PAUL HAINES - U.K.  
JONATHAN DAVID BRERETON SHARMAN - U.K.

Kind of Application :- COMPLETE/CONVENTION

Application for Patent Number 816/del/1996 filed on 17/04/1996

Convention No. 9507956.2/United Kingdom 19/04/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi  
Branch - 110 008.

( Claims 09 )

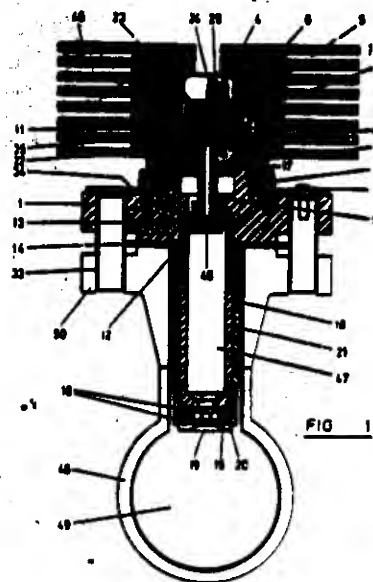
A reference electrode for measurement of the electrochemical potential of metal in a liquid preferably Bayer process liquor, which comprises a reference electrode cell, a first porous membrane, a salt bridge, a second porous membrane, and a support for the second porous membrane, wherein the salt bridge is in liquid electrical contact with the reference electrode cell via the first porous membrane, and is in liquid electrical contact with the liquid to be sensed via the second porous membrane; the first porous membrane separates the salt bridge from the reference electrode cell and the second porous membrane separates the liquid to be sensed from the salt bridge characterized in that the second porous membrane is a frit of a chemically inert ceramic or platinum and is electrically insulated from its support, wherein the average size of the pores of the porous structure is sufficiently large to permit ionic conduction through the membrane, but not so large as to permit significant mass transport of ions therethrough.

Complete Specification

No of Pages 18

Drawing: Sheets

03



Indian Classification 53, 127 **194334**

International Classification<sup>7</sup> B 62 M 25/04; B 62 K 23/04; F 16 H 7/00

Title "GEAR SELECTION DEVICE".

Applicant FRANCK SAVARD, a French citizen of 11 Lotissement des Tertres, F-22400 Planguenoual, France.

Inventor FRANCK SAVARD - FRANCE

Kind of Application COMPLETE/CONVENTION

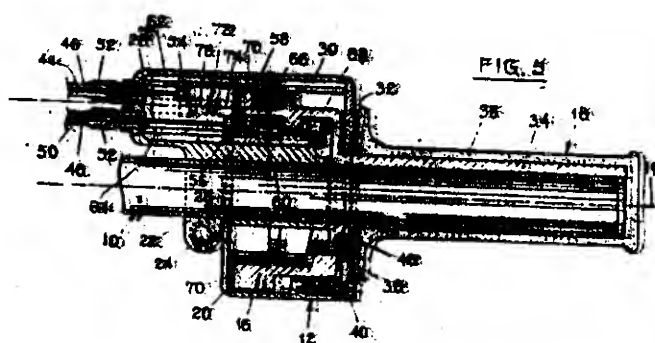
Application for Patent Number 297/del/1996 filed on 14/02/1996

Convention No. 9501816/France/15/02/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi  
Branch - 110 008

## ( Claims 11 )

Gear selection device for selecting the gear of a chain transmission for a cycle having a train of driving plates, a train of driven pinions connected by a chain, gearshift means associated with the plates and gearshift means associated with the pinions, a first cable for controlling the gearshift means associated with the plates and a second cable for controlling the gearshift means associated with the pinions, said gearshift means evolving between two extreme positions and having elastic recall means from one of the extreme positions to the other, characterized in that it has a sole rotary control handle (18) with a fixed portion forming a pan (12) for forming a link with the cycle and equipped with a barrel (16) rendered integral with the handle (18) and having two tracks (30, 32) for receiving snags fixed to the ends of the first (44) and second (46) control cables, said tracks (30, 32) having profiles to ensure a positioning with a sufficient tolerance to exaggerate the movement and accurate return of cables corresponding to the pinion/plate pairings of the selected successive gears, as well as indexing means for each of these gears.



Complete Specification

No of Pages

32

Drawing: Sheets

15

Indian Classification : 32 **194335**

International Classification<sup>4</sup> : C07C 9/04, C12 P.5/02

Title : **"A METHOD FOR ENHANCING RECOVERY OF A METHANE CONTAINING GAS".**

Applicant : **BP CORPORATION NORTH AMERICA INC.,**  
a corporation organized and existing under the laws  
of the State of Indiana, United States of America, of  
200 East Randolph Drive, Chicago, Illinois 60601,  
United States of America.

Inventors : **RAJEN PURI**  
**DAN YEE**

Kind of Application : COMPLETE

Application for Patent Number 1346/DEL/1994 filed on 25/10/1994.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office  
Delhi Branch, New Delhi – 110 008.

(06 Claims)

A method for enhancing recovery of a methane-containing gas said method comprising:

injecting in a manner such as described herein an inert methane-desorbing gas of the kind as herein described having a presurre of  $2.76 \times 10^7$  to  $1.37 \times 10^7$  into a solid carbonaceous subterranean formation;

recovering in a manner such as described herein greater than  $5.66 \times 10^3$  standard cubic meters per day of a methane-containing gas from the formation during the injecting step;

terminating injection of the methane-desorbing gas; and thereafter

recovering in a manner such as described herein greater than  $1.13 \times 10^4$  standard cubic meters per day of a methane-containing gas from the formation.

(Complete Specification Pages 21 Drawing 02 Sheets)

Indian Classification	:	32 F; (c) : 55 F	194336
International Classification <sup>7</sup>	:	C07D 261/20; A61K 31/00; C12Q 1/00; C07H 21/00	
Title	:	"A METHOD FOR PREPARING SCAR PRIMERS FOR USE IN MARKER ASSISTED SELECTION OF RICE VARIETIES SUSCEPTIBLE TO ATTACK BY GALL MIDGE BIOTYPES, AND A METHOD FOR SCREENING RICE VARIETIES."	
Applicant	:	INTERNATIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY, Aruna Asaf Ali Marg, New Delhi - 110067, INDIA.	
Inventors	:	NAGESH SARDESAI - INDIAN ARVIND KUMAR - INDIAN SURESH NAIR - INDIAN MADAN MOHAN - INDIAN	
Kind of Application	:	Complete	

Application for Patent Number 1065/Del.2001 filed on 17<sup>th</sup> Oct. 2001.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent office branch New Delhi - 110 008.

( 7 Claims )

A method for preparing combination of sequence characterized amplified region (SCAR) primers for use in marker assisted selection of rice varieties which are resistant to attack by gall midge which comprises subjecting in any known manner, genomic DNA extracted from rice varieties resistant to gall midge biotypes and rice varieties susceptible to gall midge biotypes or progenies thereof to amplified fragment length polymorphism (AFLP), identifying a polymorphic band using AFLP that cosegregates with the susceptible phenotype, thereby differentiating the susceptible varieties from the resistant varieties, eluting the band and cloning it on a vector to obtain a cloned AFLP insert, sequencing said cloned insert and producing said SCAR primers from said clone employing the sequence information, wherein said primers have the sequence.

5' - GATCATTGGAGCAACATTCTG - 3' .  
and

5' CATTCTAATTCTTTCTTCAA - 3'

(Complete Specification 23 Pages Drawings 8 Sheet)

Indian Classification :- 172 D 194337

International Classification? :- D 01 H 7/04

Title :- "A MINIATURE SPINDLE UNIT FOR A TWO-FOR-ONE TWISTER"

Applicant :- Lohia Starlinger Limited, of D-3/A, Panki Industrial Estate, Kanpur - 208 022, Uttar Pradesh, India.

Inventors :- TARUN KRISHNA SEN - INDIA.  
PRATIP KUMAR SHUNIA - INDIA.  
SURESH CHANDRA SACHAN - INDIA.

Kind of Application: COMPLETE

Application for Patent Number 455/DEL/1995 filed on 20/03/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi  
Branch - 110 008.

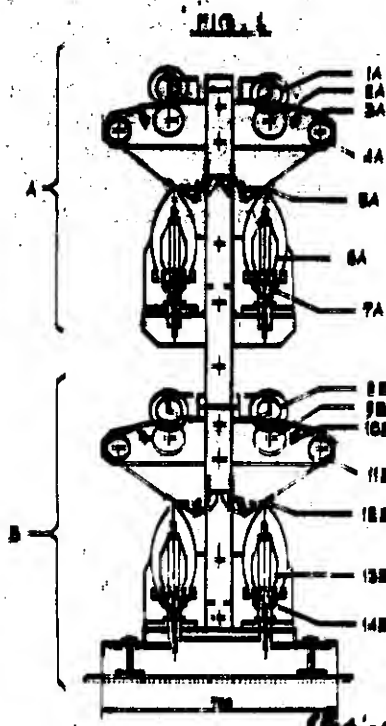
( Claims 08 )

A miniature spindle unit, for a Two-for-One twister, of a diameter of 70-80 mm, having a spindle (1) providing twist to a feed yarn, said spindle (1) having positioned on the upper portion thereof a bowl (2), the bottom of the said spindle comprising a spindle pulley (3), an axle (4) holding the said spindle bowl (2) and the said pulley (3), said spindle axle (4) having fitted on the top thereof a pair of bearings (5), a housing (6) holding the said spindle pulley (3) and connected thereto having positioned therein a pair bearing on which the said spindle is rotating, a bobbin holder (10) for holding a supply bobbin stationary, the said bobbin positioned over the said two bearings (5) fitted on the top of the said spindle axle, a stationary twist blocker unit (19) mounted centrally on top of the said bobbin holder for preventing twist from flowing backwards wherein there are provided magnets (14) such as an internal magnet unit (15) positioned inside the bobbin holder and an external magnet unit (16) is fixed onto the said spindle bearing housing (9) which is stationary, said magnets being positioned at a predetermined suitable distance from the bearing in order to avoid magnetic flux affecting the said bearings (5) while at the said time the said internal and external magnets attracting each other thereby holding the bobbin holder stationary during spindle running, a gap provided between the said bobbin holder and the said spindle to cause a controlled air flow so as to avoid heating of the bearings.

Complete Specification

No of Pages 09

Drawings Sheets 05



Indian Classification :- 62 E 194338

International Classification<sup>7</sup> :- D01 C 1/02

Title :- "A process for manufacturing spun silk fabrics."

Applicant :- MOHANLAL GULRAJANI AND SHAILJA VAIDYA  
GUPTA, of Department of Textile Technology, Indian  
Institute of Technology, Hauz khas, New Delhi-110 016,  
India.

Inventors :- MOHAN LAL GULRJANI - INDIA,  
MOHAN LAL GULRAJANI - INDIA,  
SHAILJA VAIDYA GUPTA - INDIA.

Kind of Application :- COMPLETE

Application for Patent Number 1629/Del/1995 filed on 04/09/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent  
Office, New Delhi Branch - 110 008.

( Claims 6 )

A process for manufacturing spun silk fabrics comprising steps of: (a) boiling the fabric for 90 to 120 minutes with 20 to 25% soap solution taking fabric to soap solution in the ratio of 1:30-40 (w/v); (b) washing the soaped spun silk fabrics thus obtained by step (a) with water; (c) treating the washed spunsilk fabrics obtained by step (b) with cellulosic enzymes at a temperature of 45 to 55° C for a period of 3 to 5 hours wherein said enzymes are taken in quantity 30 to 40 enzyme units per one gram of the weight of fabric; (d) treating the spun silk fabrics obtained by step (c) with protease enzymes at a temperature of 50 to 60° C for 3 to 5 hours, taking said enzymes in quantity of 40,000 to 50,000 enzyme units per one gram weight of fabric, keeping fabric to enzyme solution in w/v ratio of 1:20; (e) bleaching the enzyme treated spun silk fabrics thus obtained by step (d) with 3% of 30% solution of hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) to obtain white, pure spun silk fabrics.

Complete Specification

No of  
Pages

7

Drawings  
Sheets

NIL

Indian Classification : 121; 194C<sub>1</sub> 194339

International Classification : B 05D 5/12

Title : "A PROCESS FOR MAKING AN ANTIGLARE AND ANTISTATIC COATED RAY CATHODE RAY TUBE".

Applicant : TELETUBE ELECTRONICS LIMITED, an Indian company of Kavinagar Industrial Area, Ghaziabad 201 002, U.P. INDIA.

Inventors : RAJESH KRISHNAN SUNDARARAJAN-INDIA.

Kind of Application : PROVISIONAL/COMPLETE.

Application for Patent Number 1826/DEL/1995 filed on 05/10/1995.  
Complete left after Provisional specification filed on 25/10/1996.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

( 04 Claims )

A process for making an antiglare and antistatic coated cathode ray (CR) tube comprising:

- phosphor settling in the inner front surface of the CR tube by known means,
- forming aluminum layer in vacuum on the phosphor settling by known means,
- applying antiglare and antistatic by spraying as herein described on the front surface of the CR tube, and if desired, the front surface of the CR tube is elevated to 50° C before spraying the antiglare and antistatic coating composition on the front surface of the CR tube,
- heat treating the said layers at about 450° C and allow it to cool, and
- fixing electron gun and sealing the CR tube to obtain the anti glare and antistatic coated cathode ray (CR) tube.

(Provisional specification 04 Pages Drawing NIL Sheet)

(Complete Specification 04 Pages Drawing NIL Sheet)

Indian Classification :- 55 F1 194340

International Classification<sup>7</sup> :- C 09K 21/10, 21/12 & D 06M 13/00

Title :- "A PROCESS FOR MAKING A FLAME-RETARDANT AND FABRIC-SOFTENING COMPOSITION FOR USE IN TEXTILE MATERIAL"

Applicant :- RHODIA CONSUMER SPECIALTIES LIMITED, 210-222 Hegley Road West, Oldbury, Warley, West Midlands B68 0NN, Great Britain.

Inventors :- XIAO PING LEI - CHINESE  
MOHSEN ZAKIKHANT - BRITISH

Kind of Application :- COMPLETE/CONVENTION

Application for Patent Number 1909/del/1995 filed on 18.10.1995

Convention date 25.10.1994/9421424.4/GB

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims. 05 )

A process for making a flame-retardant and fabric-softening composition for use in textile material, characterized in that said process comprises the following stages:

- (i) placing a tetrakis (hydroxyorgano) phosphonium salt (THP<sup>+</sup> salt) in a vessel and adjusting its pH to about 6.0 by the addition of an inorganic base;
- (ii) dissolving in the THP<sup>+</sup> salt/base solution an organic nitrogen compound selected from the group consisting of urea and thiourea;

(iii) adding to the mixture (ii) an aliphatic amine having 12 or more carbon atoms and selected from the group consisting of n-dodecylamine ( $C_{12}H_{25}NH_2$ ), n-octadecylamine ( $C_{18}H_{37}NH_2$ ) and tallow amine [comprising n-hexadecylamine ( $C_{16}H_{33}NH_2$ ), n-octadecylamine ( $C_{18}H_{37}NH_2$ ), and n-eicosylamine ( $C_{20}H_{41}NH_2$ )] such that the molar ratios of the THP<sup>+</sup> salt, the organic nitrogen compound and the amine is in the range (4 to 1.5) : (0.95 to 0.75) : (0.25 to 0.05);

(iv) maintaining the mixture at reflux temperature for 3 to 4 hours until all the amine has disappeared, to bring about the formation of a condensation product between the THP<sup>+</sup> salt and the nitrogen compound;

(v) cooling the product; and

(vi) adding sufficient water to the product to make a stable 60% aqueous solution of said product.

Complete Specification

No of  
Pages

14

Drawings  
Sheets

NIL

## RENEWAL FEES PAID

## MUMBAI—FROM 01.04.2004 TO 30-04-2004

190696 188847 182117 186672 190071 173887 188743 189613 190313 190425 190471 190488 188849  
 188730 190313 188383 175392 189794 187163 188733 189554 176105 189803 189802 186946 187193  
 186638 189884 180938 181472 176950 191028 188852 190455 188913 188915 188916 188914 190945  
 189805 179850 190567 190030 188541 188542 190679 182947 187205 187287 187485 187206 188079  
 188479 190455 176375 176104 176111 177825 186639 188731 188841 188842 190957 189776 189777  
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 190475 188736 182816 182817 188384 187685 186357 188457 185225 170131 173514 173515 173732  
 188729 178577 185228 185051 188493 188495 185051 190452 180037 186926 186949 190079 181728  
 18172181 181416 191024 190052 190428

## MUMBAI—FROM 01.05.2004 TO 31-05-2004

183036 19064 190562 170247 170618 170997 171755 171812 172457 172889 172881 173875 175476  
 178076 179117 180157 181393 182011 183483 184038 188273 188274 189106 189107 172482 185791  
 190295 190668 186628 186627 182157 190456 186944 186613 189614 171000 190491 185394 185066  
 190698 190399 190960 190695 190966 190487 190673 190466 190659 190658 190682 190687 190665  
 190956 190944 190654 190666 190954 190953 190490 190948 190680 190655 186643 186643 188735  
 189620 190077 190080 189076 189075 190963 189810 188860 188492 172902 189023 183801 183153  
 188850 186289 186617 188491 187194 182160 190647 191023 179503 173395 189071 183097 190499  
 184850 190320 190006 188744 185230 186671 190317 169826 170487 171889 172490 172848 174132  
 174518 175477 174131 175758 176371 176938 176937 177908 181396 184520 186341 186666 188496  
 189562 189563 189791 190566 190453 189877 191333 190454 191338 189871 177905 173516 184510  
 182246 180943 186930 188075 188494 189584 190423 183477 190663 190689 190683 190690 188655  
 191022 190298

## CHENNAI—FROM 01.05.2004 TO 31-05-2004

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 180587 188474 175897 188361 184615 188637 180588 180590 181974 187835 181361 174749 180606  
 189251 189252 189254 189256 189257 189337 189340 180599 189333 189336 184139 180020 182462  
 187836 187879 187639 180414 181210 181248 187638 186862 184077 181245 187837 180265 183756  
 187753 187754 177405 176770 177285 178808 181552 182224 184264 181238 188476 186468 182776  
 186817 179876 179877 180693 181795 181253 179893 181228 189579 182082 175686 174305 184616  
 181975 180597 189666 190905 180683 178135 182551 179837 189332 182499 182482 187654 189597  
 189991 180671 181229 184267 181551 188350 175101 173656 174074 173235 189591 189914 189925  
 189926 189927 189929 189662 189663 189665 189669 190670 189920 189661 189928 181364 184326  
 182491 181250 174433 184434 184542 181976 179891 184459 184679 174499 184916 183687 179644  
 180694 180689 187652 179425 182271 174323

## NEW DELHI—FROM 01.04.2004 TO 30-04-2004

188879 186702 186306 186789 190036 189473 189501 189516 189517 189521 189522 189546 189548  
 186113 180914 186126 189913 180916 179524 185870 184092 180087 185184 187004 189765 189719  
 189134 190387 189745 189721 189730 189737 189739 189740 189741 189742 189743 189747 189749  
 189680 189682 189381 189703 189704 189709 189711 189751 189752 189766 189768 186732 187373  
 190346 180083 185028 180865 180084 189484 189354 188326 188333 188329 189372 189681 189684  
 189780 189949 189950 190011 190013 190011 190013 190016 186424 189285 189324 189343 189373  
 189375 189380 190030 190148 188674 186987 180088 189485 188713 188808 189510 186552 179963  
 177818 186553 179176 179765 177317 177965 178986 179953 178397 178399 180637 175608 177969

189675 188086 180404 187356 189348 188867 189484 189485 189354 189675 189356 189312 178467  
185525 184403 180392 185527 186045 188799 189286 187933 1185358 188885 177052 180402 180875  
185204 185552 186130 186334 186447 186460 187000 187936 189198 190176 187357 188531 188890  
189498 189512 189732 190031 190032 190033 190037 190038 189179 174210 189452 189673 175526  
189358 189495 189698 189432 189304 189433 189542 180401 189547 188887 172542 173089 14341  
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186382 186731 186806

## RENEWAL FEES PAID

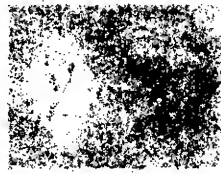
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182522 182635 182636 182726 184423 184486 184552 186099 177270 189762 186098 189435 186022  
186034 182835 189953 189130 180090 186150 185974 185987 185988 186001 186002 186047 186048  
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186839 186894 186982 186995 187005 187032 187372 187931 190181 188181 188331 188332 188539  
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188676 188740 188707 186258 186158 186128 179974 185360 185490 186997 186412 179987 186703  
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179978 1183655 188892 189154 189317 189427 189690 189692 189722 189853 189862 189866 189867  
187298 189290 189694 190594 175183 177815 175436 178145 184568 184953 186087 186434 186706  
186708 186905 187011 187077 187238 187317 187350 187319 187318 187320 179740 187031 186423  
189179 190357 190627 187075 187404 187076 186299 190845 175237 176274 185177 185203 189870  
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PATENTS SEALED ON 10-09-2004/KOLKATA

192279 192309 192310

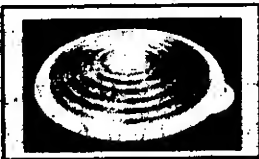
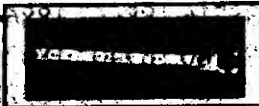

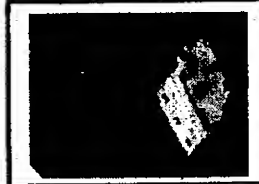
KOLKATA—3













**REGISTRATION OF DESIGNS**





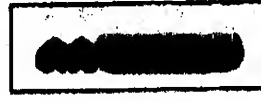
The following designs have been registered. They are open for public inspection from the date of registration. (Colour combination if any, is not shown in the representation)

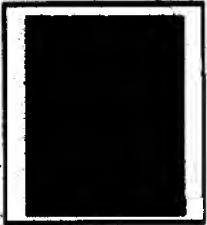




The dates shown in the following each entry is the date of registration.

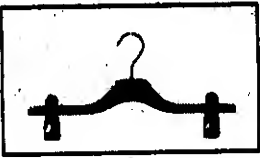




Class	09-07	No.193438. DART INDUSTRIES INC., OF 14901, SOUTH ORANGE BLOSSOM TRAIL, ORLANDO, FLORIDA 32837, U.S.A. "CONTAINER SEAL" 15.04.2003 (RECIPROCITY, U.S.A.)	
Class	08-05	No.193837. EBCO PVT. LTD. OF SAKI VIHAR ROAD, MUMBAI-400072, MAHARASHTRA, INDIA. "BALL CAGE SLIDER" 20.11.2003	
Class	26-05	No.193380. DEEPAK KUMAR MITTAL, (INDIAN), SONALIKA HOUSE, 283, AGCR ENCLAVE, KARKARDOOMA, DELHI: -110 092, INDIA. "HEAD LAMP" 06.10.2003	
Class	13-03	194590. LARSEN & TOUBRO LIMITED, L&T HOUSE BALLARD ESTATE, MUMBAI: -400 001, MAHARASHTRA, INDIA. "CONTACTOR" 11.02.2004	

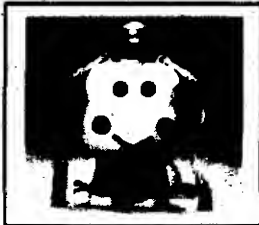
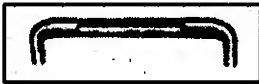
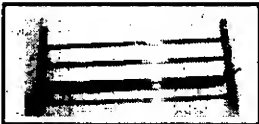
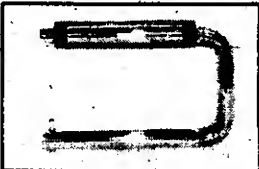
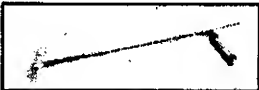
Class	13-03	No.194589. LARSEN & TOUBRO LIMITED, L&T HOUSE BALLARD ESTATE, MUMBAI: -400 001, MAHARASHTRA, INDIA, "CONTACTOR" 11.02.2004	
Class	06-01	No.194588. NILKAMAL PLASTICS LTD., OF SURVEY NO.-354/2 & 354/3, NEAR RAKHOLI BRIDGE, SILVASSA-KHANVEL ROAD, VILLAGE VASONA, SILVASSA(D & N.H.), (U.T.), INDIA, "CHAIR" 16.02.2004	
Class	06-01	No.194578. NILKAMAL PLASTICS LTD., OF SURVEY NO.-354/2 & 354/3, NEAR RAKHOLI BRIDGE, SILVASSA-KHANVEL ROAD, VILLAGE VASONA, SILVASSA(D & N.H.), (U.T.), INDIA, "CHAIR" 16.02.2004	
Class	06-01	No.194579. NILKAMAL PLASTICS LTD., OF SURVEY NO.-354/2 & 354/3, NEAR RAKHOLI BRIDGE, SILVASSA-KHANVEL ROAD, VILLAGE VASONA, SILVASSA(D & N.H.), (U.T.), INDIA, "CHAIR" 16.02.2004	
Class	21-02	No.193785. FREEWILL SPORTS PVT. LTD., OF BUSINESS AT S-32, 33, INDUSTRIAL AREA, JALANDHAR-144 004, PUNJAB, INDIA. "FOOTBALL" 12.11.2003	






Class	28-03	No.192211. M/S. RAVON INDIA COSMETICS, IX/6157, PARTAP GALL, GANDHI NAGAR, DELHI: -110 031, (AN INDIAN PARTNERSHIP FIRM). "COMPACT CONTAINER" 27.05.2003	
Class	28-03	No.192209. M/S. RAVON INDIA COSMETICS, IX/6157, PARTAP GALL, GANDHI NAGAR, DELHI: -110 031, (AN INDIAN PARTNERSHIP FIRM). "MAKE UP BOTTLE" 27.05.2003	
Class	28-03	No.192210. M/S. RAVON INDIA COSMETICS, IX/6157, PARTAP GALL, GANDHI NAGAR, DELHI: -110 031, (AN INDIAN PARTNERSHIP FIRM). "COMPACT CONTAINER" 27.05.2003	
Class	04-02	No.193633. GLAXOSMITHKLINE CONSUMER HEALTHCARE GMBH & CO. KG., A GERMAN COMPANY, OF BUSSMATTEN 1, D - 77815 Buehl (BADEN), GERMANY. "TOOTHBRUSH" 07.05.2003 (RECIPROCITY, GREAT BRITAIN).	
Class	04-02	No.193632. GLAXOSMITHKLINE CONSUMER HEALTHCARE GMBH & CO. KG., A GERMAN COMPANY, OF BUSSMATTEN 1, D - 77815 Buehl (BADEN), GERMANY. "TOOTHBRUSH" 07.05.2003 (RECIPROCITY, GREAT BRITAIN).	


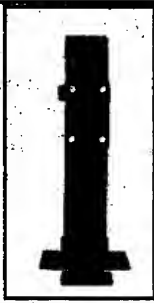


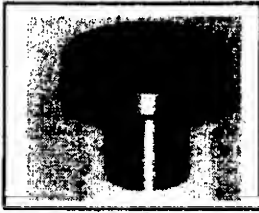
Class	04-02	No.193634. GLAXOSMITHKLINE CONSUMER HEALTHCARE GMBH & CO. KG., A GERMAN COMPANY, OF BUSSMATTEN 1, D - 77815 Buhl (BADEN), GERMANY. "TOOTHBRUSH" 07.05.2003 (RECIPROCITY, GREAT BRITAIN).	
Class	04-02	No.193635. GLAXOSMITHKLINE CONSUMER HEALTHCARE GMBH & CO. KG., A GERMAN COMPANY, OF BUSSMATTEN 1, D - 77815 Buhl (BADEN), GERMANY. "TOOTHBRUSH" 07.05.2003 (RECIPROCITY, GREAT BRITAIN).	
Class	04-02	No.193636. GLAXOSMITHKLINE CONSUMER HEALTHCARE GMBH & CO. KG., A GERMAN COMPANY, OF BUSSMATTEN 1, D - 77815 Buhl (BADEN), GERMANY. "TOOTHBRUSH" 07.05.2003 (RECIPROCITY, GREAT BRITAIN).	
Class	28-03	No.193878. CRYSTAL PLASTICS & METALLIZING PVT. LTD., AT SANGHI HOUSE, PALKHI GALLI, OFF VEER SAVARKAR MARG, FRABHADEVI, MUMBAI- 400 025, MAHARASHTRA, INDIA. "COMB" 24.11.2003	
Class	28-03	No.193984. CRYSTAL PLASTICS & METALLIZING PVT. LTD., AT SANGHI HOUSE, PALKHI GALLI, OFF VEER SAVARKAR MARG, FRABHADEVI, MUMBAI- 400 025, MAHARASHTRA, INDIA. "COMB" 04.12.2003	



Class	05-05	No.194955. THE RISHABH VELVELEN LIMITED, AT 9 <sup>TH</sup> KM, HARDWAR-BELHI ROAD, NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRIC" 18.03.2004	
Class	05-05	No.194953. THE RISHABH VELVELEN LIMITED, AT 9 <sup>TH</sup> KM, HARDWAR-DELHI ROAD, NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRIC" 18.03.2004	
Class	05-05	No.194954. THE RISHABH VELVELEN LIMITED, AT 9 <sup>TH</sup> KM, HARDWAR-DELHI ROAD, NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRIC" 18.03.2004	
Class	20-02	No.193549. M/S. SHARP ADVERTISING, AT NO.7, 5 <sup>TH</sup> TEMPLE ROAD, SIDDHANTHI BLOCK, MADHESHWARAM, BANGALORE:-560 003, KARNATAKA, INDIA. INDIAN-NATIONAL "DISPLAY EQUIPMENT" 17.10.2003	
Class	09-03	No.193551. A.K. AL MUHAJID & SONS, OF SAUDI ARABIA, OF POST BOX NO.30, DAMMAN-3444, KINGDOM OF SAUDI ARABIA. "CONTAINER" 20/12/2003.	

Class	06-08	No.193477. BRAITRIM (UK) LIMITED, A UNITED KINGDOM CORPORATION, OF BRAITRIM HOUSE, 98 VICTORIA ROAD, LONDON NW10 6NE, U.K., "GARMENT HANGER" 07.04.2003 (RECIPROCITY, GREAT BRITAIN)	
Class	09-01	No.192848. HINDUSTAN LEVER LIMITED, AT HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI: -400 020, MAHARASHTRA, INDIA. "BOTTLE" 13.08.2003.	
Class	15-09	No.193434. MILLTEC MACHINERY PVT. LTD., OF 235-R, KIADB INDL. AREA, III PHASE, BOMMASANDRA, BANGALORE:-562 158, KARNATAKA, INDIA. "SILKY POLISHER" 13.10.2003	
Class	12-08	No.193250. DEEPAK KUMAR MITTAL, (INDIAN), SONALIKA HOUSE, 283, AGCR ENCLAVE, KARKARDOOMA, DELHI: -110 092, INDIA. "MOTOR VEHICLE" 15.09.2003	
Class	12-11	No.193252. HEOR CYCLES LIMITED, HERO NAGAR, G.T. ROAD, LUDHIANA:- 141003 (PUNJAB), INDIA, "BICYCLE" 15.09.2003	

Class	09-01	No.194991. VEEPLAST HOUSEWARE PVT. LTD., OF SURVEY NO.655/1-A, DABHEL, NANIDAMAN-396210, UNION TERRITORIES, INDIA, INDIAN COMPANY. "WATER BOTTLE" 25.03.2004	
Class	08-06	No.193717. M/S. KICH INDUSTRIES, HAVING THEIR OFFICE AT ATIKA, DHEBAR ROAD, (SOUTH) RAJKOT-2, INDIA, BOTH INDIAN NATIONALS. "HANDLE" (CABINET HANDLE) 06.11.2003	
Class	28-03	No.193752. M/S. KICH INDUSTRIES, HAVING THEIR OFFICE AT ATIKA, DHEBAR ROAD, (SOUTH) RAJKOT-2, INDIA, BOTH INDIAN NATIONALS. "TOWEL RACK" 06.11.2003	
Class	28-03	No.193739. M/S. KICH INDUSTRIES, HAVING THEIR OFFICE AT ATIKA, DHEBAR ROAD, (SOUTH) RAJKOT-2, INDIA, BOTH INDIAN NATIONALS. "TOILET PAPER HOLDER" 06.11.2003	
Class	28-03	No.193738. M/S. KICH INDUSTRIES, HAVING THEIR OFFICE AT ATIKA, DHEBAR ROAD, (SOUTH) RAJKOT-2, INDIA, BOTH INDIAN NATIONALS. "SWING TOWEL ROD" 06.11.2003	

<b>Class</b>	<b>31-00</b>	<b>No.194114. MODERN PLASTICS, A PROPRIETORSHIP FIRM OF C-2, AKBARALLY MUNNAT COMPOUND, RELIEF ROAD, OSHIWARA, JOGESHWARI (W), MUMBAI:-400 102, MAHARASHTRA, INDIA, "ELECTRIC JUICER" 24.12.2003</b>	
<b>Class</b>	<b>31-00</b>	<b>No.194113. JAIN POWER PLAST AN INDIAN PROPRIETORSHIP FIRM OF 644/22, 1<sup>ST</sup> FLOOR, AGARWAL INDUSTRIAL ESTATE, SOMNATH ROAD, DABEL, DAMAN-396210, UNION TERRITORY, INDIA. "ELECTRIC MIXER GRINDER" 24.12.2003</b>	
<b>Class</b>	<b>12-16</b>	<b>No.194145. MAHINDRA &amp; MAHINDRA LIMITED, AN INDIAN COMPANY, GATEWAY BUILDING, APOLLO BUNDER, MUMBAI: -400 001, MAHARASHTRA, INDIA. "VERTIVAL BOX ASSEMBLY OF A FRONT END LOADER ATTACHMENT FOR TRACTORS" 01.01.2004</b>	
<b>Class</b>	<b>12-16</b>	<b>No.194142. MAHINDRA &amp; MAHINDRA LIMITED, AN INDIAN COMPANY, GATEWAY BUILDING, APOLLO BUNDER, MUMBAI: -400 001, MAHARASHTRA, INDIA. "LIFT ARM OF A FRONT END LOADER ATTACHMENT FOR TRACTORS" 01.01.2004</b>	
<b>Class</b>	<b>12-16</b>	<b>No.194141 MAHINDRA &amp; MAHINDRA LIMITED, AN INDIAN COMPANY, GATEWAY BUILDING, APOLLO BUNDER, MUMBAI: -400 001, MAHARASHTRA, INDIA. "BUCKET OF A FRONT END LOADER ATTACHMENT FOR TRACTORS" 01.01.2004</b>	

Class	12-16	No.194146. MAHINDRA & MAHINDRA LIMITED, AN INDIAN COMPANY, GATEWAY BUILDING, APOLLO BUNDER, MUMBAI: -400 001, MAHARASHTRA, INDIA. "POST SUB-ASSEMBLY OF A FRONT END LOADER ATTACHMENT FOR TRACTORS" 01.01.2004	
Class	12-16	No.194144. MAHINDRA & MAHINDRA LIMITED, AN INDIAN COMPANY, GATEWAY BUILDING, APOLLO BUNDER, MUMBAI: -400 001, MAHARASHTRA, INDIA. "VERTICAL BOX SUB-ASSEMBLY OF A FRONT END LOADER ATTACHMENT FOR TRACTORS" 01.01.2004	
Class	12-16	No.194143. MAHINDRA & MAHINDRA LIMITED, AN INDIAN COMPANY, GATEWAY BUILDING, APOLLO BUNDER, MUMBAI: -400 001, MAHARASHTRA, INDIA. "CHASSIS OF A FRONT END LOADER ATTACHMENT FOR TRACTORS" 01.01.2004	
Class	23-02	No.193722. M/S. KICH INDUSTRIES, HAVING THEIR OFFICE AT ATIKA, DHEBAR ROAD, (SOUTH) RAJKOT-2, INDIA, BOTH INDIAN NATIONALS. "SOAP DISH" 06.11.2003	
Class	08-06	No.193736. M/S. KICH INDUSTRIES, HAVING THEIR OFFICE AT ATIKA, DHEBAR ROAD, (SOUTH) RAJKOT-2, INDIA, BOTH INDIAN NATIONALS. "KNOB (DRAWER KNOB)" 06.11.2003	

Class	08-06	No.193721. M/S. KICH INDUSTRIES, HAVING THEIR OFFICE AT ATIKA, DHEBAR ROAD, (SOUTH) RAJKOT-2, INDIA, BOTH INDIAN NATIONALS. "HANDLE (CABINET HANDLE)" 06.11.2003	
Class	08-06	No.193713. M/S. KICH INDUSTRIES, HAVING THEIR OFFICE AT ATIKA, DHEBAR ROAD, (SOUTH) RAJKOT-2, INDIA, BOTH INDIAN NATIONALS. "HANDLE " 06.11.2003	

**S. CHANDRASEKARAN**

**Controller General of Patents, Designs & Trade Marks**